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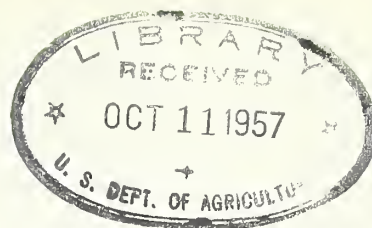
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PREFACE



The United States Department of Agriculture's Office of Information Motion Picture Service makes its complete 16mm. color and 16mm. black-and-white stock scene library available as a public service to help in the dissemination of the latest agricultural information. All film producers, television stations and land grant colleges interested in agricultural motion picture footage are invited to avail themselves of this library service.

For easy use and supplementation, this catalogue has been arranged according to general section headings with a subject listing at the listing at the beginning of each section. A detailed alphabetical index can be found in the back of the catalogue. As new scenes are acquired, supplemental sections will be published periodically. These supplements will be designed to be inserted in the proper sections in the permanent expandable binder.

To use this library, scenes should be ordered by scene numbers and descriptions. All scene descriptions are accurate and full. All scene lengths are listed in footage measurements. Double-perforated film stock will be furnished unless otherwise requested. For payment a check or money order made out to the "Office of Information-USDA" must accompany each order, or a Government Purchase Order from a Federal or State Government agency will be accepted.

Orders should be submitted in duplicate and will usually be processed within 10 working days.

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16mm. color corrected print (which can be used as a master)	.25 per ft.
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Minimum Order

5.00

TV Packages listed in Section VIII are BLACK-AND-WHITE only and must be ordered as full length packages. Individual scenes from this section cannot be ordered.

Information concerning footage from the library may be obtained by writing to:

Film Librarian, Room 1613
Motion Picture Service
Office of Information
U. S. Department of Agriculture
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FARMING
Section I

ANIMALS

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- Poultry
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CATTLE-BEEFFtg.Scene #

482		CATTLE - Aberdeen Angus on pasture - man walks in and examines grass	15
483	CU	ABERDEEN ANGUS COW - Head on	11
484	MS	COWS - Four Aberdeen Angus cows in pasture	8
700	MS	ABERDEEN ANGUS CATTLE on pasture	5
701	MCU	ABERDEEN ANGUS CATTLE	10
702	CU	HEAD OF ABERDEEN ANGUS	4
703		HEAD OF ABERDEEN ANGUS - Similar to Scene 702	3
383	LS	HEREFORD CATTLE - Abandoned House in good pasture in FG	5
384	DV	HEREFORD CATTLE - Abandoned House in pasture	5
385	MLS	HEREFORD COWS AND CALVES in pasture - abandoned house in background	13
386	MS	HEREFORD COWS AND CALVES - Same as above	7
387	MS	HEREFORD COWS IN PASTURE - Backs to camera - LS abandoned house in BG	7
B1307	MCU	HEREFORDS-Side view of cow and calf in green pasture. Cow nuzzles calf who watches camera. Blue sky.	5
452	MS	HEREFORD CATTLE in dry grass	13
454	MS	THREE HEREFORDS in sagebrush pasture	4
455	MS	HEREFORDS in sagebrush pasture - pan to left	13
602	LS	HEREFORD CATTLE being driven along highway - cars passing - storm clouds in BG	15
603	MS	HEREFORD CATTLE - Similar to Scene 602 - two horsemen driving cattle	13
604	MS	HEREFORD CATTLE - Similar to Scene 603	3
A360	MS	CATTLE - Herefords in corral - several men on horses herding them into corral which is very crowded	6
A361	MS	CATTLE - Herefords put through runway for treatment of blackleg	6
A362	CU	CATTLE - Hereford released from stanchion pen	4
356	MLS	HEREFORD CATTLE GRAZING on crested wheat grass - mountain in distance	9
378	DV	HEREFORD CATTLE HERD on Western range	8
379	LS	HEREFORD CATTLE HERD - Men on horses	4
380	LS	CATTLE ON RANGE - Herefords - pans - $\frac{1}{2}$ blue sky	8
381	LS	CATTLE ON RANGE - Herefords - sky and clouds	10
B1308	LS	HEREFORDS - Large herd of cattle on flat, yellow-brown rangeland. Several animals in FG look at camera, move away. Fluffy white clouds in sky	10 $\frac{1}{2}$
B1309	ELS	HERD OF CATTLE drifts slowly on rangeland. Pretty sky	13
641	MCU	WHITE-FACED CATTLE in sagebrush	4
B660	MCU	WHITE-FACED CATTLE in crimson clover pasture - Bare spots in FG - cattle walk across frame - some stop and look at camera	9
B657	MS	WHITE-FACED COWS standing on sparse desert range, partially hidden in brush	4

ANIMALS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
B658	MCU	WHITE-FACED CATTLE (approximately 15) standing on very sparse desert range	7
B659	MLS	WHITE-FACED CATTLE (three) standing on sparse desert range	4
766	MS	WHITE FACE CATTLE being fed dry feed by automatic feeder. High shot	18
767	MS	Similar to 766, Lower shot and closer, heads of cattle in FG	20
768	MS	Similar to 766 - Feeder coming toward camera into CU	9

CATTLE-DAIRY

B1302	MS	GUERNSEYS-Herd of dairy cattle grazing on pasture. Stone wall across FG. Countryside in BG covered with autumn foliage. Blue sky	5½
774	LS	TWO HOLSTEIN CALVES on pasture	4
775		TWO HOLSTEIN CALVES - Similar to Scene 774	4
A364	MCU	CATTLE - Holstein and Guernsey calves fed from pail that man is holding	8
A365	MCU	CATTLE - Same as above	4
713	CU	HOLSTEIN COW'S HEAD - Grazing in clover	15
B671	CU	HOLSTEIN COW - Head shot - grazing on lush clover and grass pasture - pan with head to reveal other portions of body	8
B672	CU	HOLSTEIN COW - Head shot - grazing on good clover and grass pasture	8
707	LS	HOLSTEINS on pasture	6
711		HOLSTEIN COW on lush pasture	5
712		HOLSTEIN COW - Similar to Scene 711	8
A363	MLS	CATTLE - Holstein herd in barnyard area - man and dog walk through extreme BG	13
A366	MS	CATTLE - Holstein herd in pasture by wooden fence	2
A367	MS	CATTLE - Same as above	4
B661	LS	HOLSTEIN CATTLE walking and running in piper sudan grass - few trees in BG	6
B662	LS	Same as B661 - Slightly different angle	6
B663	MS	HOLSTEIN CATTLE (About 12) in tall piper sudan pasture	9
B664	MCU	Same as B663	6
B665	MCU	Down shot on B663	8
B666	MCU	HOLSTEIN CATTLE grazing in tall piper sudan pasture - Sparse vegetation with trees in rolling BG	5
B667	CU	HOLSTEIN CATTLE - Four grazing in tall piper sudan grass - down shot	4
390	CU	LUSH CLOVER AND GRASS PASTURE - Tilts to LS Holstein cows entering pasture	9
391	CU	LUSH CLOVER AND GRASS PASTURE - Same as above	9
392	CU	LUSH CLOVER AND GRASS - Tilts to LS Holstein cows in pasture	12

<u>Scene #</u>			<u>Ftg.</u>
393	CU	LUSH CLOVER AND GRASS - Tilts to front view of Holstein cows entering pasture, then tilts back to CU grass	20
658	LS	LUSH PASTURE - Holsteins in pasture - slow pan to right	24
659		LUSH PASTURE - Similar to Scene 658	4
B673	MCU	HOLSTEIN CATTLE being fed green forage - Down shot as forage is dumped into long concrete trough from mechanical unloader - tilt up as truck moves away from camera distributing forage - cattle in pen eat as forage is dropped	26
B674	MCU	Same as B673	6
B675	CU	HOLSTEIN COWS (six) eating forage - Can cut with B673 and B674	5
B676	ECU	HOLSTEIN COWS - Head shot of two eating green forage - can cut with B673, B674, B675	4
B668	MS	HOLSTEIN CATTLE entering a "ration-a-day" alfalfa pasture - Pan slightly as cattle run to alfalfa	15
B669	MS	Continuation of B668 - FG shows where cattle grazed the day before - all cows are in upper half of frame in today's ration - down shot	5
B670	MS	HOLSTEIN COWS in "ration-a-day" alfalfa pasture - Pan left across herd - "Ration-a-day" plan of pasture is very evident	18
535	MS	TWO JERSEY CALVES in green pasture	4
789	MLS	TWO JERSEY CALVES on green pasture - walk in MS	4
790	MS	TWO JERSEY CALVES standing in green pasture	8
791	MLS	TWO JERSEY CALVES - Same as above	7
B677	MS	JERSEY COWS entering "ration-a-day" alfalfa pasture from L to R across frame	14
B678	MCU	JERSEY COWS grazing on "ration-a-day" lush alfalfa pasture	7
B679	MCU	Same as B678, except electric fence to separate pastures can be seen in FG	4
B680	MSQ	Same as B679	6
B681	MLS	JERSEY CATTLE grazing on crimson clover pasture in pecan orchard - Long pan R to L - some clover in blossom	16
B682	MS	JERSEY COWS - Three grazing on crimson clover in pecan orchard	6
317	MLS	PASTURE - Cows and calves grouped in pasture - corn-field in BG	5
660	LS	DAIRY CATTLE on lush pasture	6
661	MS	DAIRY CATTLE - Same as above	6
662	MS	DAIRY CATTLE - Same as above	4
675	MS	DAIRY CATTLE emerging from cattle underpass under highway	13
676		DAIRY CATTLE - Similar to Scene 675	6
687	ELS	PASTURE - Dairy cows in pasture - pan left to ELS of haying operation	23

ANIMALS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
1100	LS	DAIRY CATTLE (brown-and-white markings) grazing in pasture - summer, with trees bordering pasture	10
1111	MS	MAN SWABBING COW in field - cow is tied to tree stump, man standing	7
1112	MS	MAN SWABBING COW - Similar to Scene 1111 - man is squatting	7
1113	CU	MAN SWABBING COW - Man's hand on bucket, cow's foreleg being swabbed	6
1114	CU	MAN SWABBING COW - Man sponging hind leg of Holstein (man is unrecognizable)	9
1115	MS	MAN SWABBING COW - Similar to Scene 1114	10
1116	LS	MAN SWABBING COW - Similar to Scene 1114	10
1117	LS	MAN SWABBING COW - Similar to Scene 1114	9

CATTLE - MIXED AND SCRUB

617	MCU	POOR COW in weedy pasture - grazing across fence toward camera	6
618	CU	POOR COW grazing in weedy pasture	4
619	MCU	POOR COW grazing in weedy pasture	3
A893	MCU	POOR CATTLE (mostly white-face) moving in corral	6
A897	MS	POOR CATTLE crowded in loading pen	2
A899	CU	POOR CATTLE being driven into pen - man follows	4
A900	MCU	CATTLE going into pan	2½
1103	LS	SCRUB CATTLE on rocky terrain near Rio Grande River - river not in scene	6
1104	LS	SCRUB CATTLE - Similar to Scene 1103	3
1105	MS	SCRUB CATTLE - Similar to Scene 1103	10
1106	LS	MIXED BREEDS OF CATTLE at a water hole in Texas range country	8
1107	LS	MIXED BREEDS OF CATTLE - Similar to Scene 1106	6
1108	LS	TWO COWS in a Texas rangeland pasture	4
1109	LS	HERD OF CATTLE on Texas rangeland	4
1110	LS	MIXED CATTLE HERD in pasture which is surrounded by trees	6
A894	DV	CATTLE on dry range around drying water hole - hills in BG	5
A895	LS	CATTLE - Same as Scene A894	3
A896	CU	CATTLE being herded by several men on horseback	5
561	LS	CATTLE across weedy range - pan to left	4
298	DV	CATTLE GRAZING on reseeded mountain - lake in FG - western	8
299	LS	CATTLE GRAZING - Herefords - water in FG	5
437	CU	SALT BOX - Man pours in salt for cattle	3
438	MS	SALT BOX - Man pours in salt - walks out of frame - cattle in BG on sagebrush pasture	9
439	MS	SALT FILLED BOX - Cattle in BG on sagebrush pasture	8

GOATSFtg.Scene #

A292	MS	GOATS seen through wire fence in pasture	7
A293	MS	GOATS in pen - man holds one goat and looks it over	11
B1312	LS	HERD OF MULTICOLOR GOATS driven past quaint peasant-like stone church by herdsman. Stone steps in hillside lead up to church. Pale sky	16

POULTRY-CHICKENS

771	MLS	POULTRY - Seven white chickens on range	3½
772		POULTRY - Similar to Scene 771	9
773		POULTRY - High shot of row crop - pan left past fence, lane and pasture to poultry on range	27
1150	LS	FLOCK OF CHICKENS - Downshot of white laying flock of chickens feeding in yard	7
1151	CU	FLOCK OF CHICKENS - Similar to Scene 1150, shot from side	6
1152	MS	FLOCK OF CHICKENS - Similar to Scene 1151	6
1153	MS	FLOCK OF CHICKENS - Similar to Scene 1151 - two hens of a different breed also in frame (one is barred rock and the other is red)	15
1195	MS	HEN FLOCK FEEDING - Exterior	5
1199	MS	CHICKENS IN YARD feeding on grain thrown on ground	4
1201	MS	LAYING FLOCK - Down shot on laying flock of mixed breeds while they feed on grain tossed on ground	9
1202	MS	LAYING FLOCK - Similar to Scene 1201	9
1205	MS	LAYING FLOCK - Similar to Scene 1201	8
1206	MS	LAYING FLOCK - Similar to Scene 1201	7
1218	MS	CHICKEN FLOCK in chicken house milling about	5
1219	MS	CHICKEN FLOCK - Similar to Scene 1218	7
1220	MS	CHICKEN FLOCK at waterer set upon slotted platform	7
1221	MS	CHICKEN FLOCK - Similar to Scene 1220	13
1222	MS	CHICKEN FLOCK on main floor and up on roost	7
A307	MS	CHICKENS feeding on ground - White Leghorns	3
A308	CU	CHICKENS feeding on ground - mixture of Leghorns and Rhode Island Reds	4
A303	MS	CHICKENS - Woman scatters feed on ground - man feeding calf from pail in BG - barn in BG	4
A304	LS	CHICKENS feeding in chicken yard - chicken house in BG - woman comes to camera carrying basket of eggs and pail - large group of white leghorns, two or three brown chickens in group	16
A305	CU	CHICKENS - About eight chickens feeding - Rhode Island Reds and leghorns	3
1188	MS	PULLET FLOCK on green grass outside	7
1189	LS	PULLET FLOCK outdoors by wire house before introduction to henhouse	5
1214	MS	PULLET FLOCK in new chicken house showing flock at feeder	12

ANIMALS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
1215	MS	PULLET FLOCK - Similar to Scene 1214	12
1216	MS	FLOCK AT WATER TANK - Flock of Scene 1214 at new water tank, suspended from ceiling so flock cannot kick bedding into it	7
1217	MS	PULLET FLOCK - Similar to Scene 1214	13
A297	MLS	CHICKEN YARD as woman throws out feed, talks to county agent - cows in BG, start toward chickens - woman goes out of frame to stop cows	7
A298	MLS	CHICKEN YARD - Woman and county agent talk as she feeds chickens	2
1196	MS	HENS IN WITH HOGS in hog yard (means of contagion)	8
1197	MS	HENS IN WITH HOGS - Similar to Scene 1196	12
1198	MS	HENS IN WITH HOGS - Similar to Scene 1196	9
1200	MS	HENS IN WITH HOGS - Similar to Scene 1196	8
1203	MS	HENS IN WITH HOGS - Similar to Scene 1196	5
1204	MS	HENS IN WITH HOGS - Similar to Scene 1196	9
769	MS	ROUND POULTRY WATERING CAN - Hands enter, fill can	9
1186	LS	NEW CHICKEN HOUSE - Exterior, hills in background - woman comes out door with full basket of eggs, moves out of frame at left	17
A299	MS	CHICKEN HOUSE INTERIOR - Trap nests - man pulls out several chickens and examines leg bands	7
607		POULTRY RANGE - Pan right to poultry houses - pan left back to range - Indiana	20
608		POULTRY RANGE - Farmer moving portable poultry houses with tractor	15
609		POULTRY HOUSES and poultry on range - Indiana	8
677	MLS	ROW CROP - Pan left across fence, lane, to pasture - then to poultry on range - hold on POULTRY for 6 ft.	12
678		ROW CROP AND POULTRY - Similar to Scene 677	17
770	MS	POULTRY FEEDING - Man pouring feed from sack into poultry feed trough - tractors and poultry house in BG - pan to left to poultry on range	13
721	LS	POULTRY YARD - Man driving tractor with water tank among poultry houses - cuts before it stops - shows white leghorns - Indiana	6
722	LS	POULTRY YARD - Man takes bag off wagon and pours feed into chicken feeding trough - several poultry houses in distance - white leghorns - Indiana	7
723	MS	POULTRY YARD - Man gets off tractor - picks up bag of feed and dumps it into poultry feeding trough - poultry house in background - white leghorns	20
724	CU	POULTRY YARD - Pouring grain (corn) from bag into poultry feeding trough	7
725	CU	POULTRY YARD - Pouring ground feed from bag into poultry feeding trough	7
726	MS	POULTRY YARD - Man pouring water into round poultry drinking can	8

<u>Scene #</u>			<u>Ftg.</u>
1176	MS	CHICK INCUBATOR - Door of incubator opened, drawer pulled out showing chicks just hatched	16
1177	MS	DAY-OLD CHICKS in a shipping box for transportation	4
1178	CU	CHICKS in incubator drawer	7
1154	CU	CHICKENS IN CRATE ready for market - White leghorns	8
1179	LS	TRUCK LOADED WITH CHICKEN CRATES - Scenic shot - last crate put on pick-up truck, truck drives off, farmer and wife start off across farmyard to house - mountains in background (Location - southwestern Wisconsin)	37
1180	LS	TRUCK LOADED WITH CHICKEN CRATES - Similar to Scene 1179	23

POULTRY-DUCKS

A301	MS	DUCK (white) swims in cut-down barrel of water - frolics	20
A302	MS	DUCK - Same as above	9
A306	ECU	DUCK'S HEAD - Dark background	13
B1284	CU	DUCK-Full grown white duck waddles to camera across close cropped grass, stops, preens himself as he chatters to camera. No horizon.	5
B1285	MS	DUCK-White duck waddles away from camera toward white board fence	3
B1286	MS	DUCK-Down shot, white duck as it crosses pasture. Comes to CU and past camera. No horizon	4
B1287	MS	DUCK-White duck crosses grass pasture, turns to right. Good side view of bird. White board fence in BG	4 $\frac{1}{2}$

POULTRY-TURKEYS

680	MCU	TURKEYS Down shot - frame filled with turkeys on range	3
681	MLS	TURKEYS on range - shelters and feeder in BG	5
682		TURKEYS - Similar to Scene 681	7
683	MS	TURKEYS on range - shelters and feeder in BG	6
684		TURKEYS - Similar to Scene 683	11
A300	MS	TURKEYS (white) in long pen - pan shot through chicken wire fence	10
A971	MS	TURKEY GOBBLER walking on sand	2
B1281a	CU	TURKEYS-Several young birds. One drinks from can. Poultry wire in front of birds. No horizon	7
B1282	CU	TURKEYS-Flock of young birds feeding from wooden feeder. Poultry wire in FG. No horizon	7 $\frac{1}{2}$
B1283	CU	Similar to above	3 $\frac{1}{2}$
B1288	MS	WHITE TURKEYS-Pan along turkey run. Many white birds. Poultry house in BG. No sky	16

<u>Scene #</u>			<u>Ftg.</u>
<u>SHEEP</u>			
A281	LS	SHEEP running in pasture - large flock - trees in BG	9
388	LS	SHEEP in pasture - LS abandoned house in BG	9
389	LS	SHEEP in pasture, few - Same as above	12
399	MS	SHEEP bunched together - Looking down on backs	10
400	MS	SHEEP - Same as above	11
460	LS	SHEEP on hillside pasture	3
461	MS	SHEEP moving into pasture - fence in FG	9
613	ELS	FLOCK OF SHEEP on desert range - mountains in BG - pans left	10
614	CU	SPARSE DESERT RANGE Down shot - tilt up to LS of flock of sheep	10
622	LS	FLOCK OF SHEEP in mountain pasture	5
623		FLOCK OF SHEEP - Similar to Scene 622	6
626	MCU	PASTURE, ALPINE - Two men on horses herding sheep	12
A280	MS	SHEEP in pasture - large flock - trees in BG	4
B691	CU	SHEEP - Down shot on five sheep grazing on mountain pasture	5
B692	MS	SHEEP grazing on irrigated pasture - Farm buildings in BG - irrigation system not visible	4
B683	LS	FLOCK OF SHEEP grazing on mountain pasture	4
B684	MS	Same as B683	5
B685	MLS	FLOCK OF SHEEP moving across mountain pasture - down shot	5
B686	MLS	FLOCK OF SHEEP bunched closely together on mountain pasture - down shot	6
B687	MCU	FLOCK OF SHEEP grazing on mountain pasture - down shot	6
B688	MS	Same as B687	7
B689	MCU	FLOCK OF SHEEP in B687 (about 34) grazing on mountain pasture - down shot	3
B690	MS	FLOCK OF SHEEP grazing on mountain pasture - down shot	4
A282	MS	SHEEP grazing (about six)	4
301	DV	SHEEP GRAZING on western area - Utah	7
319	MS	RANGE GRASSES - Tilts to LS, sheep grazing on reseeded mountain brushland - Utah	11
320	LS	SHEEP GRAZING on mountain brushland - reseeded	7
322	MLS	SHEEP GRAZING - Same as above	7
323	DV	SHEEP GRAZING on mountain slope	9
324	DV	SHEEP GRAZING on mountain slope - pans	14
B690	MS	FLOCK OF SHEEP grazing on mountain pasture - down shot	4
636	LS	SHEEP RANGE - Sheep in distance - man standing by horse in middle FG	6
637	LS	SHEEP RANGE - Same as above - man on horse rides toward sheep	12
638	LS	SHEEP on range	4
731	DV	SHEEP in aspen grove	4
732	DV	SHEEP trailing through aspen grove in BG - sheep do not show very well - Utah	10
733	DV	SHEEP in meadow - aspen grove in BG - Utah	3
734	DV	SHEEP entering aspen grove - herder on horse follows - Utah	8
745	DV	SHEEP in Western meadow looking through aspen trees	4

FARMING

ANIMALS

<u>Scene #</u>			<u>Ftg.</u>
746	DV	SHEEP through aspen trees - Western meadow	11
747	MLS	SHEEP shot through aspen trees - Western meadow - distant sheep herder on horse	11
624	LS	SHEEP being herded through mountain pass	5
625		SHEEP - Similar to Scene 624	7
A283	LS	SHEEP being driven in pasture by two men	22
A284	CU	SHEEP driven past camera	5
A285	LS	SHEEP being driven in pasture	8
A286	ECU	SHEEP being driven through wooded gate	4 $\frac{1}{2}$
308	LS	SHEEP TRUCK on western mountain dirt road	9
313	LS	SHEEP on western mountain road	12
314	MS	SHEEP on western mountain road - pans to LS	14
404	LS	SHEEP on Western mountain dirt road	5
405	LS	SHEEP on Western mountain dirt road	6
406	LS	SHEEP - Same as above	10
407	LS	SHEEP on dirt road and hillside - pans, shows sheep herder following with horses	13
408		SHEEP - Man driving sheep on dirt road	5
693	MLS	SHEEP WEIGHING - Two men at scales - sheep in BG - third man drags in sheep and it is weighed	10
694	MS	SHEEP WEIGHING - Continue above action as one man weighs examines ewe and another records	20
A287	CU	LAMB nursing mother sheep with horns	5
A290	MS	LAMB nursing mother	5
A291	CU	LAMB nursing mother - only part of mother can be seen	6
A288	CU	LAMB in pasture	5
A289	CU	LAMB - Same as above	5
610	CU	WEIGHING LAMBS - Scales in FG as hand manipulates balance bar - lamb in BG	14
309	LS	UNLOADING SHEEP from truck on range	13
310	CU	UNLOADING SHEEP - Same as above	3
311	CU	UNLOADING SHEEP - Same as above - pan to sheep on range	10
312	DV	RELEASING SHEEP FROM TRUCK - Pans to MS of sheep in sagebrush	13

SWINES

A294	MCU	HOGS - Pigs nursing mother	7
A295	MS	PIGS in pen are fed by man - empties from pail into trough	11
A296	CU	PIGS eating	12
563	MCU	THREE HOGS at feeder wallowing in mud	3
1155	MS	HOG HERD - Spotted Poland Chinas in hog yard	5
1156	MS	HOG HERD - Similar to Scene 1155	7
B1104	MCU	HERD OF PIGS in pasture. Trees against blue sky in BG	2
B1105	MCU	HERD OF PIGS, mostly light colored animals, milling about pen. Trees and blue sky in BG	3
B1106	MCU	PIGS-Farmer walks through pig pasture carrying sack of feed Pigs mill around him, following at his heels. Trees against blue sky in BG	10

ANIMALS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
B1107	LS	Cont. of above. Farmer dumps food and walks back toward camera thru herd	5
B1108	MS	PIG HERD feeding. Two men walk thru herd and out scene to right. Small white farm building in extreme BG	6
B1109	MCU	HERD OF PIGS-Light-colored and mottled animals feeding in pasture. Grain field, trees in BG. Blue sky	5½
B1110	MCU	HERD OF PIGS on pasture. Pans along fence across herd. Trees against blue sky in BG	10
B1111	CU	THREE YOUNG PIGS in pen snuffing ground. Fourth pig joins group. Looks to camera. Fence and gate in BG	8
B1112	MCU	HERD OF HALF-GROUND PIGS (light colored) feeding from trough. Trees in full foliage in BG. No horizon	9
B1113	MCU	Same as above. Pigs move about more	7
B1114	CU	Cont. of above. Pigs feed from trough. Other pigs mill about trough in BG. No horizon	4½
B1115	ECU	PIGS-Front view of brown half-ground pigs feeding on green pasture. Down shot, no horizon	4
B1116	ECU	PIGS-Side view of light brown young pig feeding on grass. Other animals in BG. No horizon	6½
B1117	MCU	HERD OF LIGHT BROWN YOUNG PIGS on green pasture. Dark green trees in extreme BG. No horizon	4½
B1118	ECU	PIG-Front and side view of light brown young pig feeding in green pasture. Down shot. No horizon	4
B1119	ECU	PIGS-Side view of young, light brown pig feeding on green pasture. No horizon. Down shot	6

CROPS

ALFALFA

450	CU	HANDS IN ALFALFA	8
698	MLS	ALFALFA AND ORCHARD GRASS - Man in field of alfalfa and orchard grass approaches camera, stoops and examines grass, then exits to right	10
699		ALFALFA AND ORCHARD GRASS - Similar to Scene 698	9
B445	MCU	ALFALFA FIELD - County agent and farmer examine alfalfa at edge of cut swath - cut for forage	11
B446	MCU	Same as B445	9
A348	CU	ALFALFA - Full screen shot - tilt up to LS farmstead	18
A349	CU	ALFALFA - Same as above	15
B431	LS	ALFALFA about one foot high in rows - Very large field	9
B432	CU	ALFALFA - Grimms - yellowed by leafhopper	8
B433	CU	ALFALFA, WILD (Medicago falcata) in yellow blossom - Used extensively in breeding new varieties	8

<u>Scene #</u>			<u>Ftg.</u>
B434	CU	Same as B433	8
B435	MCU	NARRAGANSETT ALFALFA in bloom - fills frame	10
B436	MS	Same as B435	10
B437	LS	NARRAGANSETT ALFALFA field in blossom - Two men walking to camera examine plants - mountains in BG	12
B438	LS	Same as B437 without men	10
B439	LS	ATLANTIC ALFALFA - Large field - plants about 22 inches high in rows - two men examine plants in BG	12
B440	MS	ATLANTIC ALFALFA in bloom - down shot	9
B441	CU	ALFALFA SEED PODS in hand	7
B442	ECU	ALFALFA SEED PODS showing heavy yield - hand as BG	2 $\frac{1}{2}$
B443	ECU	Same as B442	5
B444	ECU	Same as B442 - Seed pods are turned in hand	10
B454	CU	ALFALFA in blossom - Fills frame	9
B297	CU	ALFALFA BLOSSOMS - Yellow, purple, and a third which is the result of a cross between the yellow and purple	6
B298	CU	Same as B297	6
B299	CU	PURPLE ALFALFA BLOSSOM	6
A977	MS	MAN ON TRACTOR cutting alfalfa - another tractor follows - stacked hay and trees in BG	17
A978	LS	MAN ON TRACTOR - Same as A977	15
B450	MS	HARVESTING ALFALFA for hay - Tractor-drawn forage harvester approaches camera	8
B451	MS	Similar to B450 - Pan with harvester as it approaches camera - tilt up to delivery spout	22
B452	ECU	HARVESTING ALFALFA for hay - Alfalfa falls in front of camera as it is cut - mower goes into LS	9
B453	MS	HARVESTING ALFALFA for hay - Tractor-drawn mower comes to and past camera - Holstein cows in extreme BG	9
B455	MLS	BALING ALFALFA - Hay baler approaches camera picking up dry alfalfa from windrows - machine enters scene in lower left corner and goes away dropping baled hay - pan left with baler as it comes into CU	28
B456	MS	ALFALFA, dry, in windrows - Tractor-drawn "hayhog" crosses FG - tilt up to blower as it passes - blue sky	10
B574	MLS	MOWING ALFALFA - Mower comes to CU camera	10
B575	MLS	MOWING ALFALFA - Similar to B574 - same field	7

CLOVER

781	EXPANSE OF CLOVER GRASS MIXTURE - Tilt up to sky with clouds	9
782	EXPANSE OF CLOVER GRASS MIXTURE - Similar to Scene 781	12
783	EXPANSE OF CLOVER GRASS MIXTURE - Similar to Scene 781	10

<u>Scene #</u>			<u>Ftg.</u>
543		SKY - Tilt down to CU of grass and clover mixture	12
544		Similar to Scene 543	14
B460	MS	LADINO CLOVER in bloom - Down shot fills frame	7
B461	CU	Same as B460	9
B462	MCU	KENLIN RED CLOVER waving in breeze - Down shot, fills frame	8
B463	CU	Same as B462	6
B464	MS	KENLIN RED CLOVER in FG and extends into middle of frame - beehives in BG - wind blowing	6
B465	ECU	KENLIN RED CLOVER blossoms - Fills frame	10
B466	ECU	ALSIKE CLOVER blossoms - Fills frame	6
B467	CU	Same as B466	4
B457	LS	CRIMSON CLOVER in bloom - Travel shot starting with trees in FG, moves across clover and ends on one tree - some trees and farm buildings in extreme BG	26
B458	LS	CRIMSON CLOVER in bloom - Travel shot across very large field - some trees in BG	33
B459	LS	CRIMSON CLOVER field in bloom - Cows in pasture, farm buildings in BG, high hills in extreme BG	6
B589	MS	CRIMSON CLOVER field - Ripe	8
B590	CU	CRIMSON CLOVER - Ripe heads waving in breeze	3
B591	CU	Same as B590	4
B592	CU	CRIMSON CLOVER - Ripe seed heads being examined by hands	5
B324	MS	RED CLOVER FIELD - Two men examining plants	4
B593	MS	CRIMSON CLOVER - Two tractors with cutter bars harvesting ripe clover - tractors go across field from R to L	8
B594	CU	CRIMSON CLOVER - Tractor wheel and cutter bar come into view - camera pans with cutter bar	7
B595	LS	CRIMSON CLOVER - Mower and windrower going away from camera cutting ripe clover - medium size field - trees in BG	6
B596	CU	CRIMSON CLOVER field - Mower and windrower pass ECU to camera R to L	9
B597	LS	CRIMSON CLOVER - Windrower comes diagonally toward camera from R to L into CU	14
B598	ECU	CRIMSON CLOVER - Same as B597 - down shot to show clover being raked	8
B599	MLS	CRIMSON CLOVER - Ripe - two tractor-drawn windrowers pass in field - pan left with one as it turns into ECU	10
B600	LS	CRIMSON CLOVER - Ripe - windrower goes away from camera to top of small hill	10
B228	CU	DISEASED RED CLOVER in test plot - plants infected with anthracnose wilt - down shot	9
B229	CU	Same as B228 - Shows crooked stems and lesions - hand enters and cuts some diseased plants	10

<u>Scene #</u>			<u>Ftg.</u>
B230	CU	DISEASED RED CLOVER in hand - Pencil points out crooks and lesions	10
B231	ECU	Same as B230	4 $\frac{1}{2}$
B232	ECU	Same as B230	6
B233	ECU	DISEASED RED CLOVER STEM - Pencil points out lesions	6
B234	ECU	Same as B233	6
 <u>CORN</u>			
29	CU	PLOWING YOUNG CORN - Mule cultivator goes away from camera	13
30	LS	PLOWING YOUNG CORN - Two teams of mules pulling cultivator - approaches camera	15
215	LS	CULTIVATING YOUNG CORN - Mule team (2), approaching camera head on	17
129	CU	PLOWING young corn - tractor CU to LS goes away from camera	12
130	LS	PLOWING young corn - tractor LS to CU comes to camera	6
B957	LS	CULTIVATING young corn in strip crop. Pan across strip cropped field. Overcast sky	11
204	CU	CULTIVATING CORN - Very young	6
205	LS	CULTIVATING CORN - Young - with tractor	7
153	MS	ROWS OF CORN after cultivation - no weeds	12
256	MS	CORN IN ROWS after tractor has cut out edge weeds - pans to tractor	15
23	LS	GREEN DETASSELED CORN - Barn in far distance	14
61	DV	CORN FIELD - Detasseling - pans	8
62	LS	DETASSELING MACHINE in corn field	7
63	MS	DETASSELING MACHINE in corn field with boys on platform	12
53	LS	CORN FIELD - Looking on top of good green corn field - pans to men in rows detasseling	12
18	CU	CORN - Hand on ear of green corn on stalk	3
65	CU	GREEN CORN on stalk - hand on ear	15
99	CU	CORN ON STALK - Green ear - no action	7
9	CU	EARS OF CORN - Ripe on stalk - shows kernels	8
284	ECU	EARS OF YELLOW CORN	4
B1235	ECU	SIX RIPE EARS OF YELLOW CORN, husks pulled back	5
144	MS	CORN FIELD - Trucking shot to CU	16
145	MS	CORN FIELD - Same as above	20
218	DV	CORN FIELD - Shows some weeds - pans	17
220	MS	CORN FIELD - Weeds in rows - tractor in distance	5
64	MS	GREEN CORN full grown - man looking at stalks	5
117	MS	YOUNG CORN - Field of young corn plants from top	5
118	MS	YOUNG CORN - Rows	7
119	MS	YOUNG CORN - Looking down rows	5
120	MS	YOUNG CORN - Looking down rows - shows earth	8
167	CU	FIELD OF YOUNG CORN - Shows leaves - pans	6
168	CU	FIELD OF YOUNG CORN - Same as above - no tassels, shows leaves - pans	12

<u>Scene #</u>			<u>Ftg.</u>
169	CU	CORN FIELD - CU to DV of corn field - no tassels - trees in distance	3
251	LS	ROWS OF GOOD CORN - Trees in BG	4
562	CU	YOUNG CORN - Pan across field	6
142	CU	CORN PLANT with bag over stalk - cuts silk off ear	4
143	MS	COLLECTING POLLEN - Man placing bag over tassel of corn to collect pollen	10
143a	MS	COLLECTING POLLEN - Man placing bag over tassel of corn, collects pollen	5
19	MS	CORN PLANTS - Young, poor growth	9
147	MS	YOUNG CORN PLANTS - A few weeds in rows	11
148	MS	YOUNG CORN PLANTS - Same as above	11
149	MS	YOUNG CORN PLANTS - Several weeds in rows	13
151	MS	YOUNG CORN - A few small weeds in rows	8
152	MS	YOUNG CORN - Grass in rows	8
228	CU	CORN - Young, with grass in rows	13
249	MS	YOUNG CORN - Weeds in rows	7
252	MS	CORN PLANTS - Weeds in rows	9
253	MS	CORN PLANTS - Large weeds in rows	8
B1002	MS	TWO MEN walk thru very poor field of young corn.	8
B1003	MS	SAME MEN walk thru very poor field of young corn, stop and look down at a row.	20
B944	MS	CORNFIELD. Pan from cornfield down hillside over grassed waterway to grass field. Overcast sky.	13
B1149	MCU	CORN-Side view of county agent wearing light gray jacket white straw hat, smoking a cigar as he stands in field of knee high corn on hillside.	12½
B1151	CU	Cont. of above. Head and shoulder profile of county agent, shot from above. No horizon.	13½
B1152	MCU	CORNFIELD on hillside. Half grown corn, curve in row plainly visible	11½
B1156	MCU	CORN-Down shot of farmer standing in field of knee-high corn. Water and silt between rows. Man leaves scene to left. No horizon	13
B1157	MS	CORN-Down shot of same man as he walks away thru field looking down at plants. Goes out scene in BG	17
B1158	MS	CORNFIELD on slope. Side view of farmer as he looks at field of knee high dark green corn. Water stands between curved rows. Farmer leaves scene to left	12
B1159	MS	Same as above. Farmer does not leave scene, more sun	4½
B1160	MS	CORNFIELD in Scenes B1158, B1159. No action.	3½
68	CU	GRINDING CORN - Yellow - in hand grinder - pans to moisture content apparatus	12
77	CU	GRINDING CORN - Ears of yellow corn and moisture content measurer - grinding with hand grinder	15
11	MS	HARVESTING CORN - Machine harvesting corn in field - pans away from camera	7
78	MS	CORN HARVESTER approaches camera	20

<u>Scene #</u>			<u>Ftg.</u>
79	MS	CORN HARVESTER loading wagon with ears of husked corn (goes away from camera)	8
171	CU	CORN HARVEST - Picker-sheller, pans - goes away from camera	9
175	LS	CORN HARVEST - Machine harvesting ears of corn into wagon	14
173	LS	CORN HARVESTER - Approaches camera	20
268	MS	CORN HARVESTING MACHINE at end of corn field - pans at end of corn field - hills in BG	27
269	MS	CORN HARVESTING MACHINE at end of corn field - loads into wagon - pans to show complete operation	39
270	DV	CORN HARVESTING MACHINE - Leafless trees on hill in far distance	12
A125	MLS	CORN picker in FG pan - large field	11
B870	MS	CORN moving up conveyor belt into wire bin	6
B871	CU	CORN dropping from picker; pans to pile of corn in truck as more corn drops down	8
10	MS	CORN FIELD ready for harvest - pans to CU ear on stalk	17
96	MS	MATURE CORN - Rows of good corn	10
60	CU	CORN STALKS - Pans to MS strip crop of soy beans and corn	10
166	CU	CORN PLANTS against sky and clouds	10
216	MS	TALL CORN - Bare earth in FG	10
217	CU	TALL CORN - Man comes in and looks at corn	14
A142	MCU	CORN - Shot between two rows of tall green corn - boy comes out of corn first few feet of scene carrying bucket of corn	25
A164	LS	CORN - Two men walking in strips between corn on contour	15
13	MS	YOUNG CORN - Pans to LS of hay baler	10
150	MS	YOUNG CORN PLANTS - No weeds in rows	11
254	MS	CORN PLANTS - No weeds in rows	9
35	LS	YOUNG CORN PLANTS in rows	11
213	MS	YOUNG CORN PLANTS in FG - buildings distant	9
214	MS	YOUNG CORN PLANTS in FG - silo in BG	5
69	MLS	CORN COBS being ejected from corn sheller	7
71	MS	SHELLED CORN - Bag full of yellow corn - man picks up handful	5
72	MS	SHELLED CORN - Hands holding yellow corn	3
73	ECU	SHELLED CORN - Same as above	5
172	MS	SHELLED CORN - Hopper full - does not show much corn	5
174	MS	SHELLED CORN pouring from spout into truck - man shovels corn	9
266	CU	DRIED SHELLED CORN	4
B1280	ECU	CORN - Kernels are poured into small cellophane bag for sample. Hands put can aside, fold up top of bag	5
A143	MS	CORN cutting and shocking, two men working	5
A144	CU	SHOCKING CORN - Farmer working	4
A145	CU	SHOCKING CORN - Same as above	3
273	LS	CORN STORAGE - Tractor pulls wagon of corn up to conveyor belt - barnyard in BG - pans	16
274	MS	CORN CONVEYOR - Man places conveyor into position	6
108	MS	CORN - Wagon load of yellow corn on ccb, pans to conveyor belt to top of storage bin	16

CROPS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
82	MS	UNLOADING CORN - Ears of yellow corn being unloaded into conveyor belt	2 $\frac{1}{2}$
276	CU	CORN STORAGE - Ears of corn in conveyor, pans to top of open wire storage crib - tilts to man inside bin full of corn	14
277	CU	CORN STORAGE - Ears of corn coming out of conveyor spout into crib	3
278	CU	CORN STORAGE - Ears of corn ejected from spout into crib	8
280	MS	CORN STORAGE - Yellow ears of corn ejecting from spout into crib - tilts down to crib full of corn	12
281	MS	CORN STORAGE - Yellow ears of corn ejecting from spout into crib - tilts down to crib full of corn	13
282	LS	CORN STORAGE - Truck dumping corn into conveyor - does not show corn - end of dumping	10
271	MS	CORN STORAGE - Truck dumping - pans to conveyor belt loading yellow corn ears into open wire storage crib	12
102	LS	CORN STORAGE BIN - Man and conveyor belt loading yellow corn ears into double storage bin	19
103	MS	CORN STORAGE - Ears of corn being loaded into conveyor belt	4
104	MS	CORN STORAGE - Same as above - pans to top of bin	13
109	LS	CONVEYOR BELT loading corn ears in storage bin	9
110	MS	CONVEYOR BELT with yellow corn ears loading into top of storage bin	3
111	MS	CONVEYOR BELT loading yellow corn into top of storage bin	7
112	MS	CONVEYOR BELT loading wood slat round storage crib with ears of corn	6
74	MS	CORN BIN - Quonset metal corn storage bin	3
48	CU	CORN CRIB - Wood board slat corn storage double crib - full of corn	7
113	MS	CORN STORAGE CRIB - Shed type sloped-roof wood-slat storage crib	8
200	MS	CORN STORAGE - Shows filled wood slat corn crib and temporary snow fence crib	16
107	MS	CORN STORAGE - Round wood slat corn-filled storage corn crib	6
279	CU	CORN STORAGE - Ears of yellow corn in open wire crib	7
283	CU	CORN STORAGE - Yellow corn ears in open wire bin	9
105	MS	CORN DRYER attached to barn - man goes out of scene	10
106	CU	CORN DRYER - Mercoid humidity control	18
135	MS	DRYER AND CORN CRIB	6
267	CU	CORN DRYER BLOWER FAN	9
46	MS	CORN STORAGE BIN - Round metal storage bin with coal burner dryer attached	8
31	CU	SPRAYING DDT on young corn for corn borers - tractor goes away from camera	13
32	MS	SPRAYING DDT on young corn for corn borers - tractor approaches camera	8
92	MS	SPRAYING - Nozzles over corn, using DDT	4
93	LS	SPRAYING young corn for corn borer with DDT	6

<u>Scene #</u>			<u>Ftg.</u>
94	LS	SPRAYING - Same as above - Hagie machine	14
95	CU	SPRAYING nozzles using DDT for corn borer control	3
219	MS	TRACTOR SPREADING 2, 4-D weed killer down rows of corn	12
229	LS	TRACTOR SPRAYING corn plants	11
7	CU	EARS OF CORN - One is on weighing scale	4
8	ECU	EARS OF CORN - One is on weighing scale - shows weight	5

COTTON

B911	MS	CULTIVATING small cotton plants. Machine comes to camera	5
B912	MS	CULTIVATING - Continuation of B911. Tractor pulls out of cotton row lifting flame section of cultivator	7
B913	CU	CULTIVATING - Cont. of B912. Flame cultivator goes down row of cotton	4
B914	CU	CULTIVATING - Flame cultivator operating in cotton field. Down shot from top of cultivator	5
B915	MS	CULTIVATING - Flame cultivator turns at end of row. Good view of flames	5½
B916	MS	CULTIVATING - Flame cultivator in cotton field. Flames not visible. Machine comes toward camera	7
A901	CU	COTTON - Open bolls on cotton plant	3½
A902	CU	COTTON - Same as above - different angle	3½
A903	CU	COTTON - Same as above - different angle	6
A1125	LS	LARGE COTTON FIELD in blossom - trees in BG	5
A1126	LS	LARGE COTTON FIELD in blossom - trees and house in extreme BG	11
A1127	ECU	COTTON BLOSSOM (yellow) against green leaves - very pretty	8
A1128	MS	COTTON BOLL - Pink and yellow blossoms - hands in scene	11
A1129	MS	COTTON STALKS loaded with green bolls - hand picks off leaves for 10 ft. - cotton stalk for 5 ft.	15
A1130	MCU	COTTON - Down shot on cotton blossoms and leaves	15
B917	MS	HARVESTING COTTON - Red mechanical picker comes down field to camera. CU of picking mechanism	17
B919	MS	HARVESTING COTTON - Side view of picker as it turns at end of row. Shows picker bin with cotton in it	21
B920	MS	HARVESTING COTTON - Cotton picker with bin full of cotton approaches truck	7
B921	CU	COTTON PICKER - Cont. of above. Man on seat of picker adjusts levers. Up Shot	4
B922	MS	HARVESTING COTTON - Cont. of above. Emptying of cotton from picker bin into truck	4
B923	MS	HARVESTING COTTON - Bin lowers into place. Picker drives away to field. (Slight break in scene at 4 ft.)	12
B924	LS	HARVESTING COTTON - Picker full of cotton approaches truck. Field of unpicked cotton in FG	4
B925	LS	HARVESTING COTTON - Picker begins to empty cotton from bin into truck. Front view	6
B926	CU	HARVESTING COTTON - Cont. of B924. Emptying of cotton from picker bin into truck. Action towards camera	4

CROPS

FARMING

Scene #

Ftg.

CRANBERRIES

844 LS CRANBERRY PATCHES - AV, New England 5

GRAPES

B1229 CU GRAPES - Up shot of large beautiful cluster of purple grapes hanging on vine. Grape leaves surround cluster. Blue sky in BG. No action 3½

GRAIN

12 LS HARVESTING GRAIN 9
 B1212 MS COMBINES - three combines follow each other into very flat grain field, pass camera separately. Blue sky 32
 B1213 ECU COMBINE - Pick up mechanism of combine in B1212 as it goes past camera to left 5½
 B1223 ECU GOLDEN GRAIN KERNELS pouring down onto grain pile 3
 B1230 CU GRAIN - field of ripe yellow grain waving in wind. Edge of green field in upper frame 8
 B1242 MCU GRAIN pouring into pile from unseen source. Interior shot, side view. Location undeterminable 4
 B1217 ECU THRESHING MACHINE - grain enters threshing machine at top of conveyor belt 4
 B1218 MCU THRESHING - Farmer pitches grain sheaves onto conveyor belt. Up shot against blue sky 3½
 B1219 MCU THRESHING - Farmer pitches grain down over edge of wagon load of shocks. Straw spouting out of threshing machine in extreme BG. Blue sky laced with clouds 7
 B1220 MCU THRESHING - Farmer pitches shocks of grain onto conveyor belt not visible to camera. Up shot against blue sky 4
 B1221 CU THRESHING - Grain shocks drop onto conveyor belt moving directly away from camera into rig. Down shot 6
 B1222 CU THRESHING - Young farmer tosses grain sheaves to camera. Man wears a blue work shirt with long tear in back. Up shot against hazy sky 3½
 B1224 MC THRESHING - RIG - Straw streaming out spout in BG. Man in FG gestures to farmer tossing grain shocks, turns to camera, smiles, and turns back 9
 B1225 CU THRESHING - Straw pouring out spout onto pile. Up shot against blue sky 6½

GRASSES

336 ECU BLADE OF GRASS 4
 337 CU BLADE OF GRASS 6
 795 ECU BLADE OF GRASS - Dolly into out of focus 10

Scene #			Ftg.
796		BLADE OF GRASS - Similar to Scene 795	13
797		BLADE OF GRASS - Similar to Scene 795	12
456	CU	TUFT OF GRASS - Tilt up to large expanse of grass	12
327	CU	GRASS - Hand enters, holds stem of grass and strips off green blossoms, holds in hand	22
329	CU	CLUMP OF RANGE GRASS - Wind blowing	14
330	CU	CLUMP OF RANGE GRASS - Wind and dust	13
331	CU	CLUMP OF RANGE GRASS - Wind blowing sand	11
332	CU	CLUMP OF RANGE GRASS - Wind blows sand	5
333	CU	CLUMPS OF GRASS - Wind blowing sand against grass	9
453	CU	GRASS - Down shot - tilt to LS of Herefords	12
469	CU	GRASS - Down shot - tilt up to LS of cattle	13
470	CU	GRASS - Same as Scene 469	9
471	CU	GRASS - Same as Scene 469	13
480		GRASS - Low shot along rows of planted grass	4
481	CU	GRASS - Same as above	5
522	CU	GRASS against sky	33
523	CU	Similar to Scene 522	22
540		FIELD OF GRASS - Tilt up to sky	13
541		Similar to Scene 540	12
542		Similar to Scene 540	11
413	LS	TRACTOR MOWING GRASS - Field chopper follows in LS	8
606		MOWING GRASS - Tractor-drawn mower in grass - comes from behind camera and goes into LS	10
674	CU	MOWING GRASS - Cutter bar of mower in grass - tilt up and pan as mower goes away	7
748	LS	WINDROWS - Cutting and raking grass into windrows - pans to CU and goes away from camera to LS - Indiana	15
A146	MLS	MOWING GRASS - Tractor drawn, side angle - low pasture grass - farm buildings in BG	8
414	MS	FIELD CHOPPER loading grass into truck - pans	7
415	MS	FIELD CHOPPER picks up grass from windrow, loading it on truck - pans	12
554	LS	FORAGE HARVESTER comes into ECU picking up grass from windrows and blowing it into truck	15
605	CU	HARVESTING GRASS - Forage harvester passing	10
630	MS	FORAGE HARVESTER picking grass up from windrow - comes into ECU	16
631	MS	FORAGE HARVESTER - Similar to Scene 630	15
459	MS	COMBINE HARVESTING GRASS SEED - Coming to camera	6
639	LS	COMBINE HARVESTING GRASS SEED approaches camera - blue sky, cloud BG	10
290	CU	BULBOUS BARLEY GRASS	3
291	MCU	BULBOUS BARLEY GRASS - Shows clouds	3
B468	MCU	BRONZE GRASS - Heads waving in breeze - fills frame - down shot	11
B469	MCU	Same as B468	12
B470	MS	Same as B468	7
B471	CU	BROME GRASS SEED HEADS against blue sky - Slight movement in breeze	9

CROPS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
B472	CU	Same as B471	9
B473	CU	BROME GRASS in plot - Shot from end of rows showing plants in seed - slight breeze	8
B331	CU	DISEASED BROME GRASS (Helminthosporeum)	6
B332	CU	Same as B331 except disease more severe	5
464	CU	GRAMMA GRASS - Clumps	4
466	CU	BLUE GRAMMA GRASS - Clump	4
465	CU	BLUE STEM GRASS - Clumps	4
395	LS	GREEN MESQUITE in untreated area - pans to area that has been treated after about one year - dry buffalo grass in FG - Texas	17
396	LS	GREEN MESQUITE - Same as above	9
285	CU	LADAK GRASS	3 $\frac{1}{2}$
695	CU	ITALIAN RYE GRASS Hands manipulating clump of grass, showing roots	24
696		ITALIAN RYE GRASS - Similar to Scene 695	14
B477	MS	PIPER SUDAN GRASS - Green - fills frame - down shot	4
B478	MS	PIPER SUDAN GRASS - Ripe - edge of cut swath showing full height of plants	5
B479	CU	PIPER SUDAN GRASS Ripe - seed heads against blue sky	5
21	LS	HAIRY VETCH - Field	7
292	CU	CICER MILK VETCH	3
293	CU	SICKLE MILK VETCH	3
294	CU	VICIA FENUFOLIA GRASS	3
287	CU	WHEAT GRASS - Fairway Crested	3
288	ECU	WHEAT GRASS - Same as above	4
289	ECU	WHEAT GRASS - OPubescent	4
295	CU	WHEAT GRASS - Spiked blue bunch wheat grass	3
286	CU	GIANT WILD RYE	3
B284	CU	YELLOW BIRDSFOOT TREFOIL BLOSSOM fills frame	7

HAY

14	LS	HAY BALER in action	5
A127	MS	BALED HAY in rope sling - man signals after making adjustments	7
A126	MS	BALED HAY in rope sling ready for hoisting to loft - man adjusts ropes	2
B888	LS	HARVESTING HAY-Hay baler in action as it goes away from camera dropping bales behind	10
B889	LS	Similar to above	6
B890	LS	HARVESTING HAY-Hay baler in action. Side view as it drops bales behind. Tall corn in BG	26
B891	LS	HARVESTING HAY-Side view of hay baler as it goes away from camera	16
B892	LS	HARVESTING GRAIN-Combine and baler. Pans right following baler which passes orange pickup truck standing at cornfield in FG	26

<u>Scene #</u>			<u>Ftg.</u>
B893	MS	HARVESTING GRAIN-Combine in field. Baler comes up from behind and passes combine. Camera follows baler holds on cornfield in BG	29
B894	LS	HARVESTING GRAIN-Baler comes toward camera. Camera follows baler as it turns and drops straw bale. Combine in BG	23
B895	MS	HARVESTING GRAIN-Combine in field approaches camera. Trees in BG	21
B900	MS	HARVESTING-Hay baler comes to and almost past camera in large field strewn with bales	16
B901	MS	HARVESTING-Hay baler in action passes in front of camera. CU of pick-up mechanism	8
B902	CU	HARVESTING-Bale of hay lying on ground in field	5
B903	MS	HARVESTING-Hay baler comes to and past camera. Side view of baler as it picks up hay	8
B904	MS	HARVESTING-Tractor drawn wagonload of bay bales. Farmer stands on front of wagon, head cut off	3 $\frac{1}{2}$
B905	LS	HARVESTING-Tractor draws baler and wagon left to right. Farmer lifts bales off end of baler, places them on wagon. Windrows of hay in FG	16
B906	LS	HARVESTING Similar to above. Pretty pond and trees in BG	10
B907	MS	HARVESTING-Hay bales move up conveyor into barn as farmer lifts bales off wagon onto belt	15 $\frac{1}{2}$
B881	MS	WINDROWING Tractor and windrower in field of mown hay come to camera, go out scene	17
B882	MS	WINDROWING HAY Tractor and windrower enter from right go past camera out of scene	6
B883	CU	WINDROWING HAY-Windrower as it goes directly away from camera	7
B884	MS	WINDROWING HAY-Continuation of Scene B883	8
B885	MS	WINDROWING HAY-Pans across hay in windrows from Holstein cattle to farmer windrowing hay	15
B886	MS	WINDROWING HAY-Pans from Holstein cattle standing by fence across windrowed hayfield	13
B887	LS	WINDROWING HAY-Tractor and windrower operating in mown hayfield	6
B896	MS	BALER goes from left to right. Farm buildings and stack of bales in BG	12
B897	CU	HAY BALER in action. CU of pickup mechanism. Machine comes to camera, goes out right	10
B898	CU	Similar to above	8
B899	MS	HARVESTING-Baler baling straw. White farm buildings and fences in BG	14 $\frac{1}{2}$

OATS

A1111	LS	OATS - Combine harvesting oats comes to CU, almost past camera	12
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CROPS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
A1112	LS	OATS - Combine harvesting oats comes to camera to MS diagonally across frame from right to left - quick pan to following movement of equipment	15
A1113	CU	OATS - Combine goes away from camera to LS - fairly large field - blue sky	9
A1114	LS	OATS - Combine comes to CU camera - blue sky	13 $\frac{1}{2}$
A1115	LS	OATS - Combine in FG goes diagonally away from camera from left to right	14
A1116	LS	OATS - Combine comes to and past camera - large field	18
A1117	LS	OATS - Combine turns corner in field - MCU to camera	10
A1118	MCU	OATS - Combine goes across FG - medium size field barn and wooded area in BG	7
A1119	MCU	OATS - Combine curves in FG - woods in BG	7
B1214	MS	FIELD OF GRAIN SHOCKS very flat field with large shock in immediate FG. Overcast sky	4 $\frac{1}{2}$
B1215	MS	FIELD OF GRAIN SHOCKS-pale beige shocks very closely spaced on large flat field. Farmstead in extreme BG	5
B1216	ECU	SHEAF OF OATS moves up thresher conveyor belt	3

POTATOES

B1209	MS	POTATO DIGGER-machine goes away from camera digging large field of yams	3
B1210	MCU	POTATO DIGGER-comes to and almost past camera. Field hands picking up yams in BG	10
B1211	ECU	POTATO DIGGER-side view of machine as it goes past camera to left. Pan following machine to full view	9 $\frac{1}{2}$

RICE

A1108	MS	RICE - Combine unloading rice into rice buggy - man wearing khaki clothing walks into $\frac{1}{2}$ picture to combine - pan right to left showing rice field	6
A1109	MLS	RICE - Combine harvesting rice goes from right to left diagonally across frame - large field - blue sky	18

RYE

A1110	LS	RYE - Combine harvesting rye on large field - combine comes to camera - blue sky	10
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SEEDS - CERTIFIEDFtg.Scene #

B379	LS	PLOWED FIELD - Farmer and inspector enter from right and stop in center of field - inspector makes notes on clipboard	9
B380	LS	PLOWED FIELD - Continuation of B379 - trees and buildings in BG	23
B381	CU	Continuation of Scene B379 - Head and shoulder shot of farmer and inspector as latter makes notes	10
B382	CU	Same as B381	4
B383	MLS	GRAIN STUBBLE - Pan right across stubble field and plowed soil to show area around field to be certified - small trees in BG	18
B384	MLS	FIELD - Farmer and inspector, pushing measuring wheel, approach and pass camera	16
B389	CU	FORM - "Report of Field Inspection" on clipboard being filled out	4
B418	MS	PREPARING SEED FOR PLANTING - Scales, tub and sack of seed on concrete slab - man enters, picks up seed and pours into tub	7
B419	CU	PREPARING SEED FOR PLANTING - Scales and can of fungicide - hand enters and places portion of fungicide onto scale	10
B420	CU	PREPARING SEED FOR PLANTING - Alfalfa seed being poured into tub - hand puts fungicide into seed and it is mixed with a short-handled hoe	12
B421	CU	PREPARING SEED FOR PLANTING - Inoculant is poured on seed and mixed with short-handled hoe	14
B422	CU	SEED being poured into hoppers on seeder	15
B423	MS	SEED being poured from sack into seed hopper - Planter attached to tractor	3
B424	CU	SEED pouring from sack into hopper	2 ¹ / ₂
B425	CU	CALIBRATING SEED PLANTER - Metal container under planter - cloth tied on rim of wheel to check rate of seed dropped as it rotates	11
B426	CU	CALIBRATING SEED PLANTER - Inside metal container showing seed dropping	7
B427	MS	SEED being poured into hoppers - Seed planter attached to tractor	14
B428	MS	SEED PLANTING - Planter pulled by Farmall tractor - pan right with tractor as it goes away from camera - low angle shot	8
B429	CU	SEED PLANTING - Wheel fills frame as tractor and planter go away from camera into MS	13
B430	LS	SEED PLANTING - Planter pulled by Farmall tractor comes to camera diagonally across frame - large clods of soil in FG	9
B224	MS	SEEDER, tractor-drawn - Comes from R to L across test plot - man walks behind equipment	9
B225	LS	Same as B224 - Seeder goes L to R and stops in center of plot	7

CROPS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
B226	LS	Same as B224 - Seeder continues across field L to R	7
B227	CU	SEEDER - Rear view, as it goes away from camera to LS - man walks behind to adjust equipment - trees in BG	20
B417	MCU	SEED PLANTER - End view - hands enter and attach hopper to planter (Scenes B414, B415, B416 and B417 can be cut together)	10
B414	MS	SEED PLANTER - Man cleaning dismantled seed hopper with compressed air, then reassembles - small tank of compressed air in left FG	24
B415	CU	SEED HOPPER - Same as in B414, being cleaned with compressed air - hand action	6
B416	ECU	SEED HOPPER being reassembled - Hand action	10
B480	MS	ROGUING - Three men and boy pulling rogues from large field of nearly ripe brome grass	8
B481	MCU	ROGUING - Down shot on one man and boy in B480	6
B482	MCU	ROGUING - Two men pulling rogues from field of brome grass	6
B483	MLS	ROGUING - Six men with hoes roguing large field of creeping red fescue	8
B484	CU	Same as B483 - Down shot	6
B485	MLS	ROGUING - Same as B483	6
B486	LS	ROGUING - Two men enter large field of Kenlin red clover with shovels and remove rogues - snow-capped mountains in BG	13
B487	MLS	Down shot on B486	13
B488	MS	ROGUING - Two men using shovels to remove rogues from field - blossoms in FG - mountains in BG	7
B489	LS	ROGUING - Three men and boy pulling weeds from nearly ripe brome grass	7
B490	MS	ROGUING - Down shot on four women removing rogues with hoes from large field of alfalfa - women wearing bonnets, light shirts and blue dungarees	11
B491	MS	Same as B490 - a little closer	5
B492	MS	ROGUING - Same four women as in B490 - shot against sky	13
B447	MCU	ALFALFA in rows for seed - Tractor-drawn root-cutting device comes by - man walks into frame and examines roots	22
B448	CU	ALFALFA PLANT showing cut root as it is turned in hand	6
B449	MS	ALFALFA in rows for seed - Tractor-drawn root-cutting device passes diagonally across frame cutting roots of alfalfa	14
B576	MS	COMBINING ALFALFA in large field - Combine comes diagonally toward camera - high shot	12
B577	MCU	COMBINING ALFALFA - Combine comes to camera - alfalfa standing in FG	13
B578	LS	COMBINING ALFALFA - Slightly rolling country - farm buildings in BG	8

<u>Scene #</u>			<u>Ftg.</u>
B579	MLS	Same as B578 - Prettier	8
B580	CU	COMBINING ALFALFA - Seed falling into hopper of combine - down shot - yellow seeds fill frame	4
B581	CU	Same as B580	7
B582	MS	ALFALFA SEED as they come from delivery spout of combine into metal boxes on truck bed - shot against blue sky	3 4
B583	MS	Same as B582 - Seed stops pouring at 2 ft.	4
B547	LS	COMBINING ALTA FESCUE in large field - Self-propelled combine comes to camera combining standing fescue - sacks of seed in FG	13
B548	MS	COMBINING ALTA FESCUE in large field - Sacked seed on right side of frame - self-propelled combine comes MCU to camera - same field and combine as in B547	8
B549	MS	COMBINING ALTA FESCUE - Up shot of self-propelled combine as it comes ECU to camera	16
B550	MS	BINDING ALTA FESCUE - Two girls shocking bundles of grass - tractor-drawn binder moves from R to L, pan as it passes in FG	8
B551	MLS	BINDING ALTA FESCUE - Tractor-drawn binder going across large field	7
B552	MS	SHOCKING BUNDLES OF ALTA FESCUE - Two girls and man walk away from camera and start another shock	9
B553	LS	BINDING ALTA FESCUE - Large field - standing grass in FG and BG, middle field in shocks - tractor-drawn binder passes R to L in middle of frame - mountains in extreme BG	10 12
B554	LS	Same as B553 - Binder farther away from camera	12
B601	MS	BERMUDA GRASS - Tractor-drawn field cultivator digging coastal bermuda grass - pan with it as it comes diagonally to and past camera	11
B602	MS	BERMUDA GRASS - Tractor-drawn field cultivator moves from R to L and into LS away from camera	12 $\frac{1}{2}$
B603	MS	BERMUDA GRASS - Two rakes moving diagonally across field raking grass into windrows - pan with second one as it comes into CU and rake is raised to make turn - considerable dust	20
B604	MS	Same as B603, one machine only - rake is raised and machine turns away from camera - trees and buildings in BG	9
B605	MS	Same as B603 - Rake goes diagonally away from camera from L to R - lots of dust - trees and house in BG	6
B606	CU	BERMUDA GRASS - Hand picks up sprigs and pulls apart	9
B607	MS	BERMUDA GRASS being loaded with hay loader - Pan with truck and loader as they move R to L across field	4
B611	MS	BERMUDA GRASS springs being put into sacks - Man enters and holds sack which is marked "Georgia certified seed"	11

CROPS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
B612	CU	Continuation of B611 - Sack being packed and sewed - hand action only	13
B608	MLS	BERMUDA GRASS sprigs - Pump on edge of stream of water - truck loaded with bermuda sprigs enters from right and pulls along side of pump - driver hands hose to man on top of truck	12
B609	MCU	Continuation of B608 - One man starts pump - man on top of truck waters sprigs	10
B610	CU	Continuation of B609 - Up shot of man watering bermuda sprigs on truck	8
B385	LS	CRIMSON CLOVER in bloom - Farmer and inspector walk into field from right	13
B386	LS	CRIMSON CLOVER in blossom - Continuation of Scene B385 - farmer and inspector walk toward camera	8
B387	MS	Continuation of B385 - Farmer and inspector approach camera	7
B388	CU	Continuation of B385 - Waist up shot of farmer and inspector as latter makes notes	4
B584	MS	COMBINING LADINO CLOVER - Combine, rebuilt especially to harvest legume seed, comes diagonally across frame from L to R	5
B585	CU	Same as B584 - Low angle shot - can see more clover in FG	8
B586	MCU	COMBINING LADINO CLOVER - Same machine as in B584 comes diagonally toward camera - two men at rear of machine	7
B587	MCU	Same as B586	4
B588	MS	COMBINING LADINO CLOVER - Same machine as B584 comes to camera - truck pulls along side and hopper on top of combine drops seed into truck - small dog walks across FG	15
B555	MLS	MARION BLUE GRASS, Washington - Two self-propelled combines come to camera	8
B556	MCU	Same as B555	7
B557	CU	MILLET - Ripe heads against sky - Calif.	7
B558	ECU	Same as B557	8
B559	CU	MILLET HEADS without sheath	6
B560	MS	COMBINING MILLET - Self-propelled combine comes to camera into ECU - man sacking seed	31
B561	MS	COMBINING MILLET - Self-propelled combine comes to camera - mountains in BG	26
B562	CU	COMBINING MILLET - Pan with cradle as combine turns	5
B563	MS	COMBINING MILLET - Front part of self-propelled combine goes away from camera - pan to rear to see chaff falling	12
B564	MLS	COMBINING MILLET - Self-propelled combine - pan as it goes across field from R to L - mountains in BG	19

<u>Scene #</u>			<u>Ftg.</u>
B565	CU	COMBINING MILLET - Cradle of combine approaches camera diagonally across field - camera holds and combine wipes the scene	17
B566	MS	COMBINING MILLET - Pan with self-propelled combine as sacks are dropped from sack slide - pan to front of combine	12
B540	MS	COMBINING ORCHARD GRASS - Combine approaches camera picking up bundles of orchard grass - two men riding on front forking bundles onto pick-up attachment of combine as it comes diagonally MCU to camera	17
B541	MS	Same as B540 - Combine approaches camera head on	11
B542	MS	COMBINING ORCHARD GRASS - Down shot on bundle of grass as it is being forked onto pick-up attachment of combine - shot from moving combine	7
B543	MS	COMBINING ORCHARD GRASS - Two men forking bundles of orchard grass onto pick-up attachment of combine as it comes diagonally to ECU camera	6
B544	CU	COMBINING ORCHARD GRASS - Two men forking bundles onto pick-up attachment of combine as it comes to camera - action stops at 8 feet, hold on ECU bundles 2 feet	8
B545	CU	COMBINING ORCHARD GRASS - Combine comes into frame from left - bundles of grass are forked onto pick-up attachment of combine	4 $\frac{1}{2}$
B546	CU	COMBINING ORCHARD GRASS - Bagged grass seed drops from combine to ground - camera tilts as combine goes away from camera	6
B567	MS	COMBINING SUDAN GRASS, California - Self-propelled combine comes diagonally across field picking up grass from windrows	12
B568	ECU	COMBINING SUDAN GRASS - Pick-up device on self-propelled combine in operation	7
B569	CU	Same as B568 - Tilt up to operator	12
B570	MS	COMBINING SUDAN GRASS - Seed from combine being transferred to hopper on truck	5
B571	MS	COMBINING SUDAN GRASS - Self-propelled combine moving diagonally across field picking up grass from windrows - driver's platform heavily shaded by canopy - mountains in BG	12
B572	MS	COMBINING SUDAN GRASS - Side view of self-propelled combine dumping sacks of seed	8
B573	MCU	COMBINING SUDAN GRASS - Pick-up device on self-propelled combine picking up grass from windrows - tilt up to driver and man sewing a sack - faces shaded by canopy	22
B352	MS	RUSSIAN WILD RYE GRASS - Stake and label in FG - wind blowing grass - down shot	10
B353	MS	RUSSIAN WILD RYE GRASS - Strain Mandan 2355 - wind blowing grass - stake and label in FG	8

CROPS

FARMING

<u>Scene #</u>			<u>Ftg.</u>
B354	MS	RUSSIAN WILD RYE GRASS - Stake and label in FG - wind blowing grass	6
B358	CU	RUSSIAN WILD RYE SEED HEADS held against palm of hand	5 $\frac{1}{2}$
B476	CU	RUSSIAN WILD RYE seed heads against sky	7
B533	MS	COMBINING RYE GRASS from windrows - Red Massey Harris combine comes to camera - hills in BG	8
B534	MS	COMBINING RYE GRASS - Same as B533 - self-propelled Massey Harris combine - pan as it comes into CU to camera	10
B535	MCU	COMBINING RYE GRASS - Two tractor-drawn combines picking up rye grass from windrows approach camera - nearer one comes into ECU	13
B536	CU	COMBINING RYE GRASS - Seed coming from delivery spout of combine - grain pouring toward camera	5
B537	MCU	Similar to B536, side view - Shot against blue sky	9
B538	MS	WILD RYE bundles being shocked by two men - Standing rye in FG waving in breeze	11
B539	MCU	WILD RYE - Russian wild rye heads waving in breeze - two binders approach camera diagonally across frame	15
B347	CU	CRESTED WHEAT GRASS SPIKELETS on dark BG - Commercial on left; Mandan, the improved variety with shorter awns, on right	8
B348	CU	CRESTED WHEAT GRASS SEED - Commercial on right; Mandan on left shows larger seeds which contribute to seedling vigor	9
B349	ECU	MANDAN CRESTED WHEAT GRASS SEED	6
B350	MCU	HEADS OF COMMERCIAL CRESTED WHEAT GRASS waving in breeze - Down shot	9
B351	CU	Same as B350	9
B355	MS	CRESTED WHEAT GRASS planted in rows go away from camera - down shot - Mandan 571	6
B356	CU	CRESTED WHEAT GRASS SEEDLINGS - Mandan 571, three months' growth - shows seedling vigor - slight wind movement - blue sky	7
B357	MS	CRESTED WHEAT GRASS in plot - Shot down rows	4
B474	MS	INTERMEDIATE WHEAT GRASS waving vigorously - down shot - fills frame	9
B475	MS	Same as B474	4
B528	LS	GRASS IN SHOCKS for seed harvest - Shot across large field - mountains in BG	9
B529	MS	THRESHING GRASS SEED - Two men feeding thresher - large pile of straw and sacks of grass seed in BG - buckrake on auto chassis goes out of scene at left	7
B530	MS	THRESHING GRASS SEED - Two men feeding thresher - another sacking seed - pile of straw and sacks in BG - same thresher and location as in B529	7
B531	MS	THRESHING GRASS SEED - Two men feeding thresher - one man without shirt - same thresher and location as B530	4

<u>Scene #</u>			<u>Ftg.</u>
B532	CU	THRESHING GRASS SEED - Grass feeding into thresher - same thresher and location as B529	4
B405	CU	PETRI DISH with germinated seed is placed on table - Hands remove cover, pick up tweezers and count seedlings	6
B406	CU	Continuation of B405 - Tweezers pick up several germinated seed	3
B407	MS	BLOTTER TEST - Woman lays out and marks blotter - pours alfalfa seed onto square suction counter, then onto the blotter and folds	30
B408	CU	ALFALFA SEED poured onto square suction seed counter	4
B409	CU	GERMINATION CABINET - Hand opens door, pulls out tray of blotter germination tests	7
B410	MCU	BLOTTER GERMINATION TESTS on table in FG - Woman picks up and unfolds blotter and counts germi- nated seed	8
B411	CU	GERMINATED SEED on blotter - Hand with tweezers counts seed	13
B402	CU	GERMINATION CABINET - Woman enters from left and removes seeds - she is out of frame at 6 ft. - hold on cabinet 3 ft.	9
B403	CU	PETRI DISHES on tray being removed from cabinet - Can cut with B402	3
B404	CU	GERMINATED SEED in petri dishes on tray - no action	4
B412	CU	FORM - "Report of Purity Test of Seed" being filled out in typewriter	10
B413	CU	Same as B412	9
B394	CU	WOMAN CHECKING PURITY OF GRASS SEED with magnifying glass - side view	7
B395	ECU	Same as B394 - Over shoulder shot	5
B396	MCU	WOMAN WEIGHS SMALL PORTION OF SEED in inclosed balance - Pours seed from balance pan into glass vial	24
B397	ECU	BALANCE PAN - Hand pours seed into pan - can cut with B396	3
B398	ECU	Same as B397	3
B400	MCU	WOMAN AT WORK TABLE places suction counter with seeds under magnifying glass - over shoulder shot	5
B401	CU	Continuation of Scene B400 - Hand with tweezers rearranges seed	7
B390	MCU	PACKETS OF SEED being marked by woman, then laid out on a table - side view	6
B391	CU	Continuation of Scene B390 - Woman types instruc- tions on card from seed packet - over shoulder shot	7
B392	MCU	WOMAN OPERATING SEED DIVIDER	4
B393	CU	SCALES - Hand empties cup of seed in scoop of scales, weighs and pours into manila envelope	5

<u>Scene #</u>			<u>Ftg.</u>
B637	MCU	CLIPPER SEED CLEANER, side view - Man walks through scene inspecting machine	16
B638	CU	ALFALFA SEED falling into funnel from Clipper cleaner	7
B639	CU	ALFALFA SEED dropping through screen of Clipper cleaner	7
B640	ECU	ALFALFA SEED coming from Dodder Mill - Shot from end of roller	8
B613	MCU	RETHRESHING GRASS SEED - Thresher on paved area - man, without shirt, shovels seed into hopper - down shot	8
B614	CU	Same as B613 - Action continues	14
B615	CU	GRASS SEED fills frame - Shovel enters and scoops up seed	4
B616	CU	GRASS SEED pouring from delivery spout of re-thresher into wooden box - Hand enters and spreads seed	6 $\frac{1}{2}$
B624	CU	CLEANING SEED - Down shot on scalper - man walks through FG, R to L, pauses to check machine	11
B625	CU	CLEANING SEED - Seed agitated on scalper	5
B628	MCU	ALFALFA SEED falling into hopper of gravity separator - Seed fills frame	8
B629	CU	Same as B628	7
B630	MS	Same as B628	8
B631	MS	ALFALFA SEED on gravity separator	4
B632	MCU	Same as B631	8
B633	MCU	ALFALFA SEED dropping from gravity separator	3 $\frac{1}{2}$
B634	CU	Same as B633	3
B635	CU	ALFALFA SEED dropping from separator into funnel	5
B636	CU	ALFALFA SEED entering gravity separator	4
B618	MS	SACKING SEED - Three men in open lot shovel grass seed into burlap sacks while a fourth man sews sacks by hand - street traffic and cars in BG	12
B619	MCU	SACKING SEED - Same action as in B618, different angle - man sewing sacks in FG, throws sack of seed over shoulder toward camera - parking lot and buildings in BG	9
B641	MS	SEED SACKING MACHINE - Man checks sacks	6
B642	CU	TOP OF SACK FILLED WITH SEED - Hand inserts blue tag and sews cloth sack with portable machine	7
B643	MS	SEWING TOP OF BURLAP SACK with portable machine - Man picks up sack and moves it toward camera	10
B644	MCU	SACKING MACHINE - Man removes filled sack toward camera and sews sack with portable machine - moves sack into ECU	14
B645	MCU	SEED INSPECTION - Inspector beside large pile of burlap sacks filled with seed takes sample from one bag	4

FARMING

CROPS

<u>Scene #</u>			<u>Ftg.</u>
B646	MCU	Same as B645	3 $\frac{1}{2}$
B647	CU	SEED INSPECTION - Hand extracting sample of seed from burlap bag - places seed in manila envelope	3
B648	CU	CERTIFIED SEED TAG - Man attaching blue tag to burlap bags of seed	11
B649	CU	CERTIFIED SEED TAG - Blue tag, "Brome Grass, Manchar Smooth" and seal being attached to bag of seed	6
B650	CU	BLUE TAG AND SEAL - Hand points out variety and holds seal for reading - "Good Seed - Better Crops"	6
B651	ECU	SEAL "Good Seed - Better Crops" held in hand	3
B652	ECU	Same as B651	5
B653	CU	CERTIFICATE for seed being made out - Hand action	8
B617	MS	MOVING BULK SEED - Man operating fork lift moves box of seed from rethresher to row of boxes	10
B620	MS	BULK SEED IN BOXES being moved - Man operating fork lift backs away from rethresher with box of seed, then moves forward toward camera to bring box into ECU	13
B621	MS	MOVING BULK SEED IN BOXES - Man operating fork lift moves three boxes of seed from trailer and moves them toward camera up ramp into building - enters shaded area on ramp	14
B622	MCU	STACKS OF BOXES filled with seed in warehouse - Fork lift enters from right and deposits two more boxes	8
B623	MCU	Continuation of above action - Fork lift backs out of scene	8
B626	MS	MOVING BULK SEED - Shot through door of building, man in left FG - trailer loaded with large boxes of bulk seed can be seen through doorway - fork lift moves into scene and picks up one box of seed	14
B627	MS	MOVING BULK SEED - Metal seed boxes on trailer - fork lift enters from right, picks up box, backs away, then brings box into ECU	13
B653a	MCU	LOADING SEED - Double flat-bedded trailer partially loaded with sacked seed - fork lift enters with pallet of sacks, places them on truck and backs out of scene	11
B655	MS	LOADING SEED - Fork lift loaded with sacks of seed comes to rear of covered trailer truck - man standing in back of truck unloads sacks	11
B656	CU	Same truck as in B655 loaded with sacked seed - Man closes door	14

SILAGE

66	MS	SILAGE MACHINE making and loading silage directly into truck from green corn from field	4
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CROPS

FARMING

<u>Scene #</u>		<u>Ftg.</u>
67	MCU GREEN CORN SILAGE - Making silage in corn field and loading into truck	7
262	LS SILAGE making and loading truck in field	14
264	LS HARVESTING CORN SILAGE into truck in field	8
265	MS HARVESTING CORN SILAGE - Same as above - pans to CU	16
146	CU GREEN CORN SILAGE in screw conveyor	10
258	MS SILAGE - Man dumping silage into conveyor	3
259	CU SILAGE in screw conveyor	2
627	MS GRASS - Up shot of three men throwing grass from rear of truck	6
628	MS CONVEYOR - Rear of truck - screw conveyor at base of silo as grass is thrown in - tilt up to top of silo	13
629	CU SCREW CONVEYOR as grass is thrown in	8
718	ELS SILO beside barn being filled with grass silage	6
719	SILO - Similar to Scene 718	8
A130	MCU SILAGE raked into silo filler by boy and farmer	6
A131	MS SILAGE - Same as above	7
A132	MS SILAGE - Back of truck opened by two men - silage to be put into silo	11
A133	ECU ROTARY BLADES of silo filler revolving (no silage)	4
A134	LS SILAGE raked into silo filler - viewed from top of silo looking down	6
A135	MS SILAGE - Same as above	5
A136	MS SILAGE (corn) cut by tractor, blown through blower into truck - to and past camera, filling frame	9
A137	MS SILAGE being made in the field - blown into wagon pulled by tractor, action CU to camera	16
A138	CU SILAGE as it comes out of spout - side view against sky	3
A139	CU SILAGE dropping into wagon	10
A140	MS SILAGE raked by two men into silo filler - tilts to top of silo	11
A141	MS SILAGE raked into silo filler by two men	11
24	MS TRENCH SILO - No silage or action	15
27	DV TRENCH SILO - Empty	14
28	CU TRENCH SILO - Empty	10
159	LS TRENCH SILO - Man comes in	17
160	LS TRENCH SILO	10
495	LS TRENCH SILO - Truck entering	20
496	MS TRENCH SILO - Closer shot of truck entering - passes camera	9
25	LS LOADING TRENCH SILO with green silage	6
26	LS LOADING TRENCH SILO - Same as above	4
100	MS TRENCH SILO - Man and truck dumping green corn silage into trench silo	14
101	LS TRENCH SILO - Man spreading green corn silage in trench silo	7
642	LS SILAGE - From floor of silo - Caterpillar tractor packing silage in trench silo	8

<u>Scene #</u>			<u>Ftg.</u>
643	LS	SIL0 - From floor of silo - dump truck enters trench silo	6
644	MS	TRENCH SIL0 - Rear of truck in trench silo - man in scene as grass is dumped	20
645	LS	TRENCH SIL0 - Floor of trench silo as dump truck filled with grass enters - very little action	17
646	MS	TRENCH SIL0 - Side view of truck dumping grass in trench silo - shot from ground level	3
647	MS	TRENCH SIL0 - Continued action above - man in scene - some closer	4
648	MS	BULLDOZER packing grass in trench silo	7
649	ELS	BULLRAKE picking up grass	5
650	MLS	BULLRAKE picking up grass - comes into CU	7
549	MLS	LOADING DRY TOPPING MATERIAL for trench silo onto dump truck with scoop attached to tractor	16
550	MLS	TRENCH SIL0 - Dump truck pulls into silo and man walks behind it	11
551	MCU	TRENCH SIL0 - Back of truck and man as truck dumps topping material on grass silage in trench silo	13
552	MCU	TRENCH SIL0 - Similar to Scene 551 - man starts spreading topping material	20
553	MS	TRENCH SIL0 - Same as above	15
590	MCU	SILAGE - Three men loading tractor-drawn truck with silage from trench silo (winter)	15
591	CU	SILAGE being thrown in wagon with pitchfork	22
592	MLS	SILAGE - Three men loading silage from trench silo onto tractor-drawn wagon	15
593	MLS	SILAGE - Three men dumping silage from tractor-drawn wagon in pasture (winter)	2
594	MLS	SILAGE - Three men dumping silage from tractor-drawn wagon in pasture (winter) - continue as cows eat silage and wagon goes into the distance	20

SOYBEANS

40	LS	SOY BEANS and young corn in adjacent rows	11
97	MS	SOY BEANS AND CORN - Green soy beans in FG - corn in BG - pan to CU green corn	14
98	MS	SOY BEAN PLANTS - Corn in BG - pans to CU mature green corn ear	17

SORGHUM

467	MS	SORGHUM - Field of young sorghum	6
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TOBACCO

BL271	MS	TOBACCO FIELD - Farmer in white hat examines plants and soil between plants. Flat, large field. Blue sky	5
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CROPS

FARMING

<u>WHEAT</u>		<u>Ftg.</u>
<u>Scene #</u>		
762	LS COMBINES HARVESTING WHEAT	5
All20	LS WHEAT - Combine goes from CU to MS away from camera - medium size field - blue sky	12
All21	LS WHEAT - Combine goes from CU to MS diagonally across frame from camera - fairly large field blue sky	17
All22	LS WHEAT - Combine with windrow pick-up comes to camera picking up wheat - corn in extreme left BG and side - blue sky	18
All23	MS WHEAT - Same as All22 - comes closer to camera	10
All24	CU WHEAT - Same as All22	10

YAMS

B1208	LS YAM HARVEST-Field of yams littered with empty crates. Pan right over field past team of mules pulling wagon load of crates, holds on man picking yams. Trees in BG	16
B1238	CU YAMS-Single yam drops onto pile of yams. Hand reaches in and picks it up, turns it slowly	5
B1239	CU YAMS-Single yam drops onto yam pile. Down shot. No horizon	2
B1240	CU Same as B1238	4

ON THE FARM (DAIRIES)

A309	CU DAIRY - Milking machine fastened to teats of cow and turned on	16
A310	CU DAIRY - Milk pail under cow - pan to teat cups on bag of cow	8
A322	MCU DAIRY BARN INTERIOR - Farmer pours milk from milking machine into another pail - Holsteins in stanchions - man walking out	10
557	CU MILK in glass tank - tilt up to dial of scales	16
558	MILK - Similar to Scene 557	15
A311	CU DAIRY - Milk cooler as milk runs down	8
A312	CU DAIRY - Milk can as milk runs into it from cooler	3
A320	MS DAIRY - Milk cooler as milk runs down	5
A321	MS DAIRY - Milk cooler as farmer empties can of milk - pan down as milk runs down cooler into can below	15
A325	MS DAIRY - Milk cooler as farmer prepares to empty pail in cooler	7

<u>Scene #</u>			<u>Ftg.</u>
A326	MS	DAIRY - Pan down cooler to milk can - milk runs through	6
A327	CU	DAIRY - Milk can as milk from cooler runs into it	4
A328	MS	DAIRY - Milk cooler as farmer empties milk pail into top	10
A329	CU	DAIRY - Milk cooler - hand turns on flow of milk down cooler - milk goes into can	13
A323	MS	DAIRY - Milk cans from farm dumped into intake - interior - sample	19
A324	CU	DAIRY - Same as above - cans being dumped	6

FARM & FARMSTEAD

177	AV	FARMS - Distant, green - Iowa	7
178	AV	FARMS - Distant - green corn - Iowa - road in distance	8
189	AV	FARMS - Distant - green corn	11
190	AV	FARMS - Same as above	7
191	AV	FARM BUILDINGS AND FARMS - Distant - shows roads, green corn	9
A235	AV	FARMSTEAD - Pans across country - extra LS	9
A236	AV	FARMSTEAD - Pans across country - different angle from above - ELS	10
A350	AV	FARMSTEAD and countryside	22
A351	AV	FARMSTEAD - Same as above	7
4	DV	FARM - Shows green corn and pans to small hay piles in adjacent field	4½
A221	LS	FARMSTEAD - Pasture in FG - man and dog in ELS walk across frame	13
A222	ELS	FARMSTEAD - Holsteins in pasture, man in suit inspects irrigation pipes lying in pasture	23
B820	LS	FARMSTEAD - Bleak landscape of white farm buildings, country road and telephone poles in FG. Overcast sky	9
B984	LS	WHITE FARMSTEAD. Woods and hills in extreme BG. Overcast sky	4½
All31	LS	FARM LAND slightly submarginal - pan right to left across farm - farm buildings and trees in extreme BG	13
1184	LS	FARMYARD - Camera located in alleyway between buildings looking at farmyard with hills in background - girl walks through frame on other side of yard	12

<u>Scene #</u>			<u>Ftg.</u>
1185	LS	FARMYARD - Scenic shot, looking through chicken yard, hog pen, to hills in background	4
1187	MS	FARMYARD - Chickens in corner, exterior, made by two buildings - different farm	7
210	CU	FARM BUILDINGS - Pans	10
211	LS	FARM BUILDINGS AND HOUSE	9
212	DV	FARM BUILDINGS AND HOUSE	10
382	DV	FARM BUILDINGS - Pans to trees and fields - scenic	13
47	CU	WHITE BARN - Double bin, no action	7
A224	LS	SILLO - White cement against sky, barn in BG	3
A225	LS	SILLO - Same as above	3
A237	CU	BARN GUTTER and floor in cow barn - very clean - no cattle	3
376	MS	OLD UNPAINTED BARN - Pan to new barn painted white	8
377	MS	OLD UNPAINTED BARN - Man on horse	7
353	LS	ABANDONED BARN - Road leading to it	14
354	MLS	ABANDONED FARM BUILDING - Weeds and dry grass in yard	2½
355	MLS	ABANDONED FARM BUILDING - Weeds and dry grass in yard	6
A964	CU	ABANDONED UNPAINTED WOODEN HOUSE - Front view	1
350	MS	ABANDONED HOUSE - Wooden, no paint, old chimney - tree in BG	8
351	MS	ABANDONED HOUSE - Only portion - stump in FG	8
352	CU	ABANDONED HOUSE - Portion, shows chimney	6
B1424	MS	ABANDONED HOUSE-Unpainted, wood-shingled two story house shot against blue sky	4½
433	MS	ABANDONED PASTURE - Pan across to abandoned house	12
A957	CU	GATE - Broken-down wooden gate of a wire fence	2
A958	LS	DILAPIDATED HOUSE - Broken-down gate in FG	1½
A962	CU	OLD HAND PUMP against sky - wooden pole in front of the handle	1
349	CU	OLD SHOE AND WAGON FRAMES on bare red earth	7
A963	CU	WOODEN CELLAR DOOR propped open in ground	1
A959	CU	DILAPIDATED WINDMILL silhouetted against cloudy sky - up shot	1
A961	MS	DILAPIDATED WINDMILL silhouetted against sky - bare tree in BG	1½

FARM PRACTICES

FERTILIZER

36	MS	FERTILIZER - Boy and man on tractor applying liquid ammonia fertilizer to young corn plants - pans to CU	6
39	MS	FERTILIZER - Boy and man on tractor applying liquid ammonia fertilizer to corn plants - approaches camera	8

FARMING

FARM PRACTICES

<u>Scene #</u>			<u>Ftg.</u>
224	MS	FERTILIZER - Young corn plants, CU tractor applying liquid fertilizer	8
225	CU	FERTILIZER - CU to LS fertilizing young corn with blue nitro shooter (Junior)	10
226	LS	FERTILIZING CORN with liquid fertilizer - trees in BG	12
227	MS	FERTILIZER TANK pulled by tractor approaches camera - pans to CU	6
170	LS	FERTILIZER - Applying liquid ammonia fertilizer to corn - goes away from camera	16
42	CU	FERTILIZER - Cultivator blade from rear applying Blue Nitro liquid ammonia fertilizer to young corn- goes away from camera to LS	12
43	LS	FERTILIZER - Side view applying liquid ammonia fertilizer	12
428	LS	FERTILIZER - Tractor-drawn fertilizer distributor on pasture with irrigation pipes	5
429	CU	FERTILIZER - Same as above, spreader passing camera	9
430	MLS	PLOWING - Two tractor-drawn plows turning under grass	9
431	CU	PLOWING - Sod being turned over - plow goes into MLS	9
651	LS	FERTILIZER DISTRIBUTOR going in pasture	4
715		FERTILIZER DISTRIBUTOR passing	7
717		FERTILIZER DISTRIBUTOR - Same as Scene 716 - from rear - goes into LS	10
A114	CU	FERTILIZER CARRIER being pulled behind tractor - tractor cannot be seen - down shot into wagon	6
A115	ECU	FERTILIZER CARRIER - Same as above - tilts up to field	8
B1024a	MLS	FERTILIZER DRILL enters scene from left, comes toward and turns directly in front of camera. Drives away to farm truck standing in field. Blue sky	26
B1025	CU	FILLING FERTILIZER DRILL-Farmer lifts bag of fertilizer from back of truck and shakes it into drill bin, closes tops of bin	19
B1026	CU	ADJUSTING FEEDERS OF DRILL. Side view of farmer in blue overalls as he attaches curved feeders to drill. Farmer rises and leaves scene, no horizon	10
B1040	MS	FERTILIZER DISTRIBUTOR operating in hayfield. Machine comes toward camera which follows it as machine passes	18
315	LS	SPREADING MANURE in pasture	11

<u>Scene #</u>			<u>Ftg.</u>
316	MS	SPREADING MANURE - Colored boy driving, pans	12
708		MANURE SPREADER passing - down shot	3
709	CU	MANURE falling on ground	2
710	MS	MANURE SPREADER - Pan with passing of spreader	18
A121	MLS	MANURE SPREADER in action on pasture - goes diagonally across frame - farm buildings in BG	8
B1029	CU	MANURE SPREADER-Back of spreader showing blades. Farmer starts machine and drives away to left and out scene	9
411	LS	BIG TRUCK SPREADING LIME over pasture - trough spreader	7
575	ELS	TRUCK SPREADING LIME on plowed ground	12
576	LS	TRUCK SPREADING LIME - Same as Scene 575	10
577	LS	TRUCK SPREADING LIME - Same as Scene 575	2 $\frac{1}{2}$
578		SPREADING LIME - Rear view of truck spreading lime on plowed ground	5
A116	LS	LIMING plowed field - two trucks to camera	7
A117	MS	LIMING plowed field - two trucks, side view - lime dust fills frame	8
A118	MLS	LIMING field - rear view of truck as dust settles	8
A119	MS	LIMING field - two trucks, side angle - only rear of trucks can be seen	23
A120	ELS	LIMING field - two trucks, side angle	20
A1132	LS	LIMING FIELD	9
B1274	MS	LIMING-Pan right from down shot of dust rising behind truck liming plowed field to front of same truck now flanked on right by another truck. Scene travels with trucks as first one leaves scene	17
B1272	CU	LIMING-Drill comes to and directly beneath camera. Scene follows machine as it drives away. No horizon	4 $\frac{1}{2}$

LAND PREPARATION

B1030	ECU	DISC-CU of disc blades moving directly beneath camera. Tilts up as machine turns to a MS of disc and tractor moving away in field of corn stubble	10
B1236	MS	DISCING-Tractor discing flat brown field, comes to and past camera. Farmstead in BG. Barns and silos have white metal roofs. Blue sky	10 $\frac{1}{2}$
B1281	MS	DISCING-Disc enters scene of farmstead at edge of field from left, goes past camera. Tilts down to CU of freshly disked soil	13
80	CU	DISC HARROW - Goes away from camera	8
81	MS	DISC HARROW pulled by tractor past camera	14
394	MS	TRACTOR DISC HARROWING and dragging plowed pasture - pans to CU and goes away from camera into LS	13
410	MS	TRACTOR DISC HARROWING plowed field - pans and goes away from camera	12

<u>Scene #</u>			<u>Ftg.</u>
663	MS	DISC HARROW - Drill with disc harrow coming toward camera into ECU - pan with it as it goes into LS	12
664	ELS	DISC HARROW - Drill with disc harrow working in plowed field	8
652	CU	DISC HARROW in plowed field with weights - scene shot from tractor	7
653		DISC HARROW - Similar to Scene 652	10
654		DISC HARROW - Similar to Scene 652	9
44	LS	DRAG HARROW - Tractor pulling toothed harrow over smooth plowed field - pans	7
45	LS	DRAG HARROW - Same as above	10
A90	ECU	DISCING - Disc moving away from camera in corn stubble - tilts up as young boy on tractor pulls away and makes turn	15
A91	CU	DISCING - Follow-through travel shot to camera as disc is pulled behind tractor (tractor doesn't show)	11
A93	CU	DISCING - Tractor pulls disc to camera, turns and starts back	4
22	CU	SUBSURFACE TILLER BLADE in rye stubble and corn stalks - goes away from camera	5
37	CU	CULTIVATOR BLADE cutting ground	3
38	CU	CULTIVATOR BLADE - Same as above	4
263	CU	CULTIVATOR TRACTOR goes away from camera down row	8
B1027	MS	CULTIVATING-Cultivator moves down field away from camera. Dust rises and floats away in wind behind machine. Pretty sky in BG	14
54	CU	PLOWING FIELD - Goes away from camera	9
55	CU	PLOWING FIELD - Pans to tractor plowing stubble field	23
56	CU	PLOWING - Pans to LS tractor plowing	6
57	CU	PLOWING - Past camera	6
134	CU	TRACTOR PLOWING black earth	8
335	LS	PLOWING pasture	4
497	LS	PLOWING - Turning under green manure	18
498	LS	PLOWING - Same as above - pan with tractor	24
499	LS	PLOWING - Turning under grass - tractor approaches to CU and pan with plow	15
567	MS	PLOWING - Tractor-drawn plow turning under grass	5
568	MS	PLOWING - Similar to Scene 567	9
569	LS	PLOWING - Similar to Scene 567	5
665	MLS	PLOWED FIELD - Man walking in freshly plowed field - stoops to examine soil	12
666	MLS	PLOWED FIELD - Same as above	13
667		PLOWED FIELD - Same as above	13
A105	CU	PLOWING - Young boy on tractor plowing, waist up shot, side angle, as tractor comes to camera and out of frame (boy has on pinkish red cap, no shirt, shot against sky)	6

<u>Scene #</u>			<u>Ftg.</u>
A106	LS	PLOWING pasture - Two tractors turning under green grass (one goes away from camera, other comes toward it)	11
A110	MS	PLOWING - Pan shot as young boy on tractor comes past camera, turning under green grass - barn in BG	9
A111	MS	PLOWING - Turning under green grass - small boy on tractor as it moves by - tilt down to bare foot on controls - barn in BG	4
A113	MLS	PLOWING - Young boy on tractor, pans	10
B806	MS	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to camera and makes right turn in front of camera - goes to center of frame - woods surround three sides of field	11
B807	MS	Continuation of B806 - Plow goes away from camera	10
B808	CU	Continuation of B807 - Plow comes to and past camera L to R - tilt down to see sod being turned	11
B809	MLS	TURNING UNDER GREEN MANURE - Tractor-drawn plow goes diagonally away from camera from R to L - farm buildings and white silo in BG	8
B810	MS	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to camera	10
B811	MS	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to and past camera L to R - tilt down to see sod being turned	17
B812	CU	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes to and turns in front of camera L to R - tilt down to see plow turning sod - tilt back up to entire plow	12
B813	CU	TURNING UNDER GREEN MANURE - Tractor-drawn plow comes into frame from behind camera and goes into MS - plow makes first turn of sod in field of crimson clover	11
B867	LS	PLOWED FIELD in FG. Farmstead in BG	7
B908	MS	PLOWING-Farmer on small tractor plows red soil. Comes to and past camera	6
B909	MS	Similar to above	6
B910	MCU	PLOWING-Farmer turning red soil in green grass. Down shot, man's head cut off	8
B955	MS	PLOWING-Two tractors turning under green manure. One machine approaches camera, the other moves away	10
B1031	MCU	PLOWING UNDER GREEN MANURE-CU of tractor as it comes directly to camera, turns slightly to left. Pretty trees line edge of field	5
B1032	MCU	Cont. of above. Down shot of plowing tilts up to tractor and plow turning to right. Woods in BG	7
B791	MLS	PERIOD SHOT - Farmer plowing with a two-horse plow turning soil - goes from R to L across frame - shot against sky - farmer has beard	8½
B792	CU	Similar to B791 - Passes diagonally across frame from R to L - CU of sod being turned	6

<u>Scene #</u>			<u>Ftg.</u>
B793	MS	Similar to B791 - Farmer plowing goes across frame from R to L - dog comes into picture last few frames - shot against sky	7
B794	MS	Same as B793, except dog is not in frame	9
B795	MS	PERIOD SHOT - Same farmer and field as B793 - plowing from R to L - two dogs in scene	10
B796	MS	PERIOD SHOT - Man in buckskin jacket and fur cap chopping tree with ax - dense forest	8
		In Prod. 1301	11
		In Prod. 1301	14
B799	MCU	PERIOD SHOT - Man in B796 chopping log	9
B800	MCU	Same as B799	11

PASTURE AND RANGE

611	CU	SPARSE DESERT RANGELAND - Down shot - tilt up to LS of herd of sheep - mountains in BG	9
612		SPARSE DESERT RANGELAND - Similar to Scene 611	10
300	DV	GOOD WESTERN GRAZING AREA at foot of mountain slope - pans to left - distant cattle grazing - Utah	16
473	AV	RANGELAND - Mountains in BG	6
620	LS	MOUNTAIN RANGE - Natural growth - sub-Alpine patches of snow	7
621		MOUNTAIN RANGE - Similar to Scene 620	5
A937	LS	RANGELAND - Wind movement - mountains, blue sky and white clouds in BG	4
457	MS	PASTURE - Barbed wire fence across expanse of sagebrush - pan to area of grass with cattle in distance	12
302	LS	SAGEBRUSH - Distant trees and hill	4
303	MS	SAGEBRUSH - Tilt to LS sagebrush and trees, hill	8
434	MS	FIELD OF SAGEBRUSH - Airplane approaches, pans with plane and holds on flagman	11
435	MS	SAGEBRUSH - Plane passes - pans with plane	14
559	LS	CATTLE on dead sagebrush pasture	5
560	MLS	SAGEBRUSH RANGE - Unimproved - barbed wire fence in middle of frame - Woodward, Oklahoma	3
587		DESERT RANGE - Sagebrush - mountains in BG	3
304	MS	UNSEEDED WESTERN RANGE - Shows grasses	5
326	MS	UNIMPROVED MOUNTAIN BRUSH - Tilts to LS of reseeded area - sheep grazing	14
363	LS	UNIMPROVED RANGE - Pans to distant view of sheep on improved mountain range	12
425		BEFORE AND AFTER - Unsprayed range contrasted with range sprayed with 2,4-D	7
426		BEFORE AND AFTER - Same as above	13
727	LS	BEFORE AND AFTER - Pan from untreated mesquite to mesquite sprayed with 2,4-D one year later - Oklahoma	12

<u>Scene #</u>			<u>Ftg.</u>
728	MS	MESQUITE - Treated with 2,4-D - Oklahoma	3
729		MESQUITE - Similar to Scene 728	3
564	LS	LUSH PASTURE - Trees in distance - man rides into left middle ground and into distance	12
565	MLS	PASTURE - Man with camera walks into pasture - stops and examines grass, walks out of frame to left - black cattle in middle distance	15
635	LS	PASTURE - Baled hay in middleground - cattle lying in BG	5
655		PASTURE - Down shot on grass and clover pasture - no action	19
656		PASTURE - Same as above	6
657	LS	PASTURE - Same as above	7
679	CU	PASTURE - Birds-foot trifol and Timothy mixture - tilt up to MS of Angus cattle - Indiana	11
875	LS	PASTURE - Scenic shot colored with weeds	9
876	CU	PASTURE - Similar to Scene 875, clover in the foreground	8
877	CU	PASTURE - Similar to Scene 875	9
B804	MS	PASTURE - One side shows grazed pasture, other shows ungrazed - farmer walks to camera	7
B805	MCU	PASTURE - Farmer drives stake and connects electric wire to divide grazed and ungrazed pasture	7
A83	CU	PASTURE - Full screen shot - tilt to LS Herefords grazing in separate fenced areas, separated by electric fence	13 $\frac{1}{2}$
A84	CU	PASTURE - Same as above	9
730	CU	RESEEDDED GRASS on sandy soil - hand picks up dry soil - tilts to LS good stand of grass - Black Angus cattle in distance	16
419	CU	RESEEDDED PASTURE - Tilts to LS Hereford calves - King Ranch, Texas	12
420	CU	RESEEDDED PASTURE - Tilts to LS Hereford steers	12
744	LS	RESEEDING BY AIR - Tilt down from mountain brush area reseeded by air to CU patch of grass - smooth brome, orchard and meadow oak grass	9
444		AIRPLANE - Pan with plane flying over sagebrush - seeding range land	11
445		AIRPLANE - Same as above	13
446	MS	AIRPLANE - Same as above and holds on flagman	3
447		AIRPLANE - Similar to Scene 446	11
448		AIRPLANE - Similar to Scene 446	6
449		AIRPLANE - Similar to Scene 446	10
338	MS	CUTTING SAGEBRUSH on range land with rotary brush cutter - goes away from camera - Oklahoma	15
339	MS	ROTARY BRUSH CUTTER approaches camera - passes in front and goes away to LS cutting sagebrush - Oklahoma	9
340	CU	ROTARY BRUSH CUTTER - Same as above	10
341	LS	ROTARY BRUSH CUTTER - Same as above	8
342	MS	ROTARY BRUSH CUTTER - Same as above	11

<u>Scene #</u>		<u>Ftg.</u>
343	LS ROTARY BRUSH CUTTER - Cutting sagebrush, comes in LS	17

SOIL CONSERVATION - CONTOURS

132	DV YOUNG CORN FIELD - Tractor approaches camera to MS, shows contours	18
179	AV FARMS - Distant - shows contours - Iowa	7
180	AV FARMS - Far distant - shows contours - Iowa	10
181	AV FARMS - Distant - green corn - shows contours - Iowa	7
182	AV FARMS - Similar to above	7
230	DAV CONTOURS	8
231	DAV FARMS and contoured fields	7
232	DAV FARMS - Same as above	7
233	LS FARMS, AV - Showing contours	7
236	MS CORN, AV - Showing contours	7
260	DAV CONTOUR PLANTING - Tractor in BG	5

SOIL CONSERVATION - GRASSED WATERWAYS

B938	CU GRASSED WATERWAY. Good stand of grass, tilts up to grassed waterway in strip cropped field	15
B939	CU GRASSED WATERWAY. Tilts up from grass to grassed waterway and strip cropping	12
B958	LS GRASSED WATERWAY in cornfield. Pans across strip crops of yellow grain and green corn. Farmstead in BG	12
B929	LS GRASSED WATERWAY in strip-cropped field of yellow grain and green corn	6
B930	CU GRASSED WATERWAY. Green corn on either side	9

SOIL CONSERVATION - DRAINAGE

B941	CU CONCRETE DETENTION DAM-Discharge of water from trickle tube at lower end of dam	8 $\frac{1}{2}$
B942	CU CONCRETE DETENTION DAM-Foliage on hillside pans down to water flowing out drainage pipe of dam	11
B943	CU Similar to above	14
B1130	LS RETENTION DAM. Down shot of small blue pond. Pans across top of grass covered dam to trickle tube at bottom of dam. Tall trees in BG. No horizon	13
B1131	MCU TRICKLE TUBE in green hillside. Water pouring out in to gravel lined ditch. Trees against blue sky in BG	5
B1132	MCU DRAINAGE DITCH of above. Medium sized pines at edge of ditch. Pans past trickle tube along green hillside to hold on view of wooded slope	19

<u>Scene #</u>			<u>Ftg.</u>
B1133	MCU	TRICKLE TUBE. Front view of tube as it empties into ditch. Small dry rocks in FG. Green hillside in BG	5
B1134	CU	TRICKLE TUBE as it empties into ditch. Small rocks and gravel line ditch banks	5
B1138	ECU	CONCRETE DROP INLET-Clear water trickling into drain. Down shot, no horizon	13

SOIL CONSERVATION - STRIP CROPPING

B931	LS	STRIP CROPPING. Reaper in action in extreme BG. Red farm buildings in BG to right. Overcast sky	13
B932	LS	STRIP CROPPING. Pan across countryside and grassed waterway. Holds on fields and woods in BG. Overcast sky	27
B933	LS	STRIP CROPPING. Farmer stands in field. Camera tilts up to strip cropped field of yellow grain and green corn, then pans to field and woods. Overcast sky	25
2	LS	CORN - Strip crop surrounded by grass field	10
3	DV	CORN - Strip crop	10
5	DV	STRIP CROP - Tractor and truck in field - shows corn strip crop, pans	14
133	DV	CORNFIELD - Strip crops	9
192	MS	STRIP CROP - Air view - strips of corn	6
193	AV	STRIP CROPS AND CONTOURS - Distant	7
194	AV	STRIP CROPS AND CONTOURS - Distant	6
195	AV	STRIP CROPS AND CONTOURS - Distant	5
196	AV	STRIP CROPS AND CONTOURS - Distant	5
197	AV	STRIP CROPS AND CONTOURS - Same as above	10
198	AV	STRIP CROPS AND CONTOURS - Same as above	5
255	MS	CORN STRIP CROP - Tractor in background - pans	26
261	LS	STRIP CROPPING - highway in distance - pans to farms	18
706	LS	STRIP CROPPING - Grass and corn - buildings in BG	9
B936	LS	STRIP CROPPING. Hillside showing strip cropping and grassed waterway. Cornfield at bottom of field	12
B937	CU	STRIP CROPPING. Lush green pasture, tilts up to LS of strip cropping and grassed waterway	13½
B940	MS	STRIP CROPPING-Farmer gazes out over fields, tilts up to strip cropping of green corn and hayfields. Pans over grassed waterway, past farmstead to woods and field	26
B1231	MLS	STRIP CROPPING-Pan over slope of yellow grain and green row crop to contoured hill. No horizon	12
B1232	LS	STRIP CROPPING-Pan across strip of ripe grain and green corn on contoured land. Green leaves of corn in FG. Holds on contoured slope	10
B1233	LS	Cont. of above	6
B1234	MLS	Similar to above. No action	6

SOIL CONSERVATION - TERRACINGFtg.Scene #

472	AV	TERRACED HILLSIDE	5
474	AV	TERRACED HILLSIDE	8
475	AV	TERRACED HILLSIDE - Same as above	13
476	AV	TERRACED HILLSIDES and eroded land	13
477	AV	TERRACED HILLSIDES - Mountains in BG	8
596	LS	GRASS on terraced hillside - pan to patches of snow on slopes - Wasatch Mountains near Ogden, Utah	19
750	DV	TERRACED MOUNTAIN SIDE to prevent floods - pans - Wasatch Mountains near Ogden, Utah	8
751	LS	TERRACED MOUNTAIN SLOPES to prevent floods - Wasatch Mountains near Ogden, Utah	5
752	LS	TERRACED MOUNTAIN SLOPE to prevent floods - pans down slope to valley - Wasatch Mountains near Ogden, Utah	22
753	LS	TERRACED MOUNTAIN SLOPE to prevent floods - pans to distant view of slopes and mountains in distance	22
754	DV	TERRACED MOUNTAIN SLOPE - No pan	3
B1432	LS	TERRACED HILLSIDE-Pan across hill to farmpond. Wooden pier in pond. Dull sky, little color	24
B1038	LS	TERRACED HILLSIDE. Pans down long hill which has snow patches and out over valley	21

SOIL CONSERVATION-EROSION

305	LS	UNSEEDED GULLY - Shows bare soil - western	5
306	MS	UNSEEDED GULLY - Tilts to LS of gulley, shows bare soil	8
371	DV	ERODED HILLSIDE	5
372	MS	ERODED HILLSIDE	8
373	MS	ERODED HILLSIDE - Pan to left	16
374	MS	ERODED HILLSIDE - Same as above	13
375	CU	GULLIES AND EROSION	6
685	CU	EROSION - Eroded soil in pasture - pan left to CU of good growth of clover and fescue grass	19
686		EROSION - Similar to Scene 685	17
792	CU	EROSION - Water running in small gully	7
B1039	CU	SUN BAKED SOIL-Young corn plants (about 1 ft. high) in hard sun-baked, cracked soil. Pan along a row	8
B1178	CU	SILT-Dried, cracked mud. Cracking forms a lacy, irregular pattern. Man's feet walk from left to right	5
B1178a	CU	Cont. of above	3
51	CU	SILT DAMAGE to corn field - tilts to LS - effects of improper drainage	6
B1176	CU	SILT surrounded by mud. Tuft of grass in right FG	12

<u>Scene.#</u>			<u>Ftg.</u>
B1177	MCU	SILT-Dried, sun-cracked mud at edge of water. Tufts of grass in BG, water in FG. No action	11
B945	CU	EROSION-Corn plant with roots washed clear of soil. Pans upward to fields. Holds on corn leaves against sky. Young ears of corn on plants	17
B934	MS	EROSION-Poor stand of corn on hillside. Pan along field to view of silt washed from hill	17
B935	MS	EROSION-Similar to above. High view of dirt washed from field. Pan down wash, holds on dirt	18
B1135	MCU	MUDDY WATER trickling over edge of gully. Long grass grows on rim of gully. No horizon	4
B1136	CU	Cont. of above. Water falls over edge of bank. Grass stalks in FG	
B1136a	CU	Same as above	
B1137	LS	RAGGED GULLY-water falling over edge, running down bottom of gully to camera. Banks and grass in FG	16
B1139	LS	EROSION-Little muddy rivulets of water cutting into brown bare soil on steep hillside. Pan across hill. Scattered, leafless trees silhouetted against sky at top of hill	18
B1141	MS	EROSION-small sharp cuts in slope of faintly green hill. Trees in extreme BG at top of hill	11½
B1142	LS	EROSION-Muddy water standing in sharp narrow cuts in brown-red soil of bare slope. Pan across hill, holds on less steep slope with rows of seeding visible	14
B1143	LS	EROSION-Muddy rivulets cutting thru faintly green seeding on steep hillside. Brown red soil, leafless trees, blue sky	16
B1144	ECU	EROSION-Very young corn plants uprooted and toppled into muddy water. Tilts up to water trickling around stem of plant	8
B1145	MCU	EROSION-Young knee-high corn surrounded by yellow-brown mud. Man's boots enter, walking from right to left. Tilts up to torso and head shot of man as he joins farmer who rubs chin, looks to camera. Weeds, trees in BG	14
B1146	MCU	Similar to above. Man go out scene to left. Holds on view of higher part of field and edge of woods. No sky	13½
B1147	MCU	Same as above. Man wears light gray jacket	16
B1148	MCU	EROSION-Knee-high corn plants tumbled and toppled in heavily silted field. Ground is yellow-brown. Tilts up over field. No horizon	12
B1153	MCU	EROSION-Stream of very muddy water trickling thru field of toppled and bent knee-high corn plants. No horizon	10
B1154	MCU	Same as above	16
B1155	ECU	Cont. of above. Camera tilts down, holds on puddle of quiet muddy water engulfing plants	24

<u>Scene #</u>			<u>Ftg.</u>
B1161	CU	EROSION-Down shot of two rows of knee-high corn with mud and water standing between rows. No action	$4\frac{1}{2}$
B1161a	CU	Same as above	$4\frac{1}{2}$
B1162	MCU	EROSION-Down shot of small rivulet of muddy water running to camera between row of corn and edge of grass	10
B1164	MCU	EROSION-Small rivulets of muddy water cutting into brown earth of hill. Eroded soil has a lacy pattern.	$15\frac{1}{2}$
B1165	ECU	EROSION-Two muddy rivulets meet to form rapidly trickling stream in brown earth of hillside. No horizon	5
B1166	MS	EROSION-Down shot of small muddy stream rushing to camera. Tufts of grass visible in brown earth on banks of stream. No horizon	$9\frac{1}{2}$
B1173	MCU	EROSION-Side view of man in tie, white shirt and hat standing at edge of muddy pond. Sand and mud at edge of water in front of him. Down shot, no horizon	11
B1174	MCU	EROSION-Small sharp gullies in mud and slit at edge of water. No action, no horizon	7
B1175	MCU	EROSION-Mud flat. Pan along silt and mud. Down shot	20
B1167	MS	EROSION-Farmer shoveling mud from stream is joined by two farmers. Silt, edge of stream and trees in BG	5
B1168	MS	Cont. of above. The three men talk, look down and around at mud	11
B1169	MS	Same as above. Men turn as if to leave scene. Farmer with shovel looks to camera	12
B1170	MCU	FARMERS in above scene talk, look down at mud and water. No horizon	12
B1171	MCU	Same as above	16
B1172	MCU	Same as above	5

SOIL CONSERVATION-SOIL

640	MS	SOIL - Hand picks up and sifts dry, sandy soil	6
B223	MS	SOIL - Down shot on ground over which a drill has passed, leaving a pattern	$4\frac{1}{2}$
B971	CU	SOIL-Shovelful of sod showing dirt and grass roots. Hand enters twice and picks up dirt	17
B972	CU	SOIL-Shovel turns over sod. Hand enters hole, picks up soil from bottom, crumbles it between fingers	$17\frac{1}{2}$
B973	CU	SOIL-Shovel turns over sod. Hand enters hole, finger moves up side of hole pointing to soil structure	10
188	CU	SOIL in hands	13
370	CU	DRY EARTH - Hand holding dry earth and crumbling it	5

<u>Scene #</u>			<u>Ftg.</u>
668	MCU	EXAMINING SOIL - Man examining soil clinging to grass roots	8
B953	CU	SOIL-Man's hands mixing soil in pail. Open sample box on ground beside pail	7½
B954	CU	SOIL-Man's hand holding soil. No action. Very blue sky	8

SOIL CONSERVATION - SOIL SAMPLING

154	MS	SOIL SAMPLE - Man digging soil sample - corn fodder on ground	12
155	CU	SOIL SAMPLE - Placing it in carton	4
156	MS	SOIL - Man placing soil in bucket	17
157	CU	SOIL SAMPLE in bucket - hand filling carton	12
158	LS	SOIL SAMPLE - Man digging soil sample	14
185	MS	SOIL SAMPLE - Man taking soil samples with auger bit - places it on brown paper near carton	18
186	CU	SOIL SAMPLE - Placing soil on canvas, then into paper cartons	29
187	MS	SOIL SAMPLE - Man picking up soil samples - shows face	9
201	MS	SOIL SAMPLE - Man with spade digging soil sample - does not show face	6
A165	CU	SOIL SAMPLE - Soil is removed from screw type drill - hand crumbles soil - soil map on ground	6
A166	MCU	SOIL SAMPLE - Soil analyst fingers sample, stoops and makes notation on clipboard	8
A167	CU	SOIL SAMPLE - Same as above	7
B975	CU	SOIL SAMPLE-soil auger is removed from ground	3½
B976	CU	SOIL SAMPLE-hand strips soil from auger	2½
B977	CU	SOIL SAMPLE-Cont. of above. Hand strips soil from auger, crumbles it, empties it on ground	6½
B979	MS	SOIL SURVEYOR AND FARMER enter grain field, begin to take soil sample. Waving grain in BG	25
B980	MS	SOIL SURVEYOR AND FARMER examine grain heads and being to take soil sample in grain field. Waving grain in BG	13

SPRAYING AND DUSTING

886	MS	LOADING HELICOPTER WITH DDT - Men preparing to load helicopter with DDT dust for dusting operation on cranberry bog near by, seen on right of frame	8
887	MS	LOADING HELICOPTER - Similar to Scene 886, men actually loading helicopter	8
968	LS	LOADING HELICOPTER with dust for spray run - side view	15
888	LS	DUSTING - Helicopter in air dusting the cranberry bogs	10
889	LS	DUSTING - Similar to Scene 888	5
890	LS	DUSTING - Helicopter in another dusting run	9

<u>Scene #</u>			<u>Ftg.</u>
891	LS	HELICOPTER comes around from run and turns in reverse run	16
892	LS	HELICOPTER comes in, lands and loading begins for the next trip	16
B519	MS	DUSTING - Helicopter comes from over shoulder, goes into LS - fills frame with dust	5
B520	MS	DUSTING - Helicopter comes to camera	3
B522	MLS	DUSTING - Helicopter comes to and past camera	5
B523	LS	DUSTING - Helicopter comes CU to camera and passes overhead	4
B498	LS	AERIAL DUSTING large alfalfa field - Plane drops down at far edge of field - pan with plane as it moves diagonally across field toward camera spreading dust	12
B499	LS	AERIAL DUSTING large alfalfa field - Plane enters CU left side of frame - goes away from camera	9
B500	LS	AERIAL DUSTING - Same field as B498 - plane moving right angles to camera - pan to end of field and tilt up as plane rises to make turn	5
B501	LS	AERIAL DUSTING - Pan with plane as it swoops down and moves across field of alfalfa	5
B502	MLS	AERIAL DUSTING - Plane enters from left - pan right as it completes pass across field	5
B503	LS	AERIAL DUSTING - Plane comes diagonally across field to CU and goes out of frame	9
B504	LS	AERIAL DUSTING - Plane comes across field almost into camera - dust obliterates view	8
B505	LS	AERIAL DUSTING - Pan with plane as it dusts end of field, rises and turns away from camera	8
A848	MS	DUSTING - Tractor comes to camera dusting cotton field - man on tractor	7
922	LS	EFFECT OF DDT - Using net in stream to check the effect of DDT concentration on insects eaten by fish	8
923	LS	EFFECT OF DDT - Similar to Scene 922, continues action	5
924	CU	EFFECT OF DDT - Man checking stream and net - Similar to Scene 922	9
925	MS	EFFECT OF DDT - Man checking beehive for DDT effect on useful insects	5
952	CU	DDT BARREL rolled across scene three times revealing label	13
956	MS	LOADING DDT BARRELS into tank trucks for transporting to airfield, and mixing on the way to the planes (camera at rear of truck)	17
957	MS	LOADING DDT BARRELS - Similar to Scene 956 (camera at front of truck)	15
958	CU	LOADING DDT BARRELS - Similar to Scene 957	8
959	MS	LOADING DDT - Front view, men loading DDT into tank truck	22

<u>Scene #</u>			<u>Ftg.</u>
960	LS	DDT TRUCK pulls up beside emulsion truck at airport for mixing	14
961	MS	DDT TRUCK - Similar to Scene 960	5
825	MS	SPRAYING - Old method of control used early in Gypsy Moth fight; shows man spraying orchard from ground apparatus	5
831	MS	SPRAYING - Early Gypsy Moth spraying operations - men taking hose into forest to begin spraying	17
832	MS	SPRAYING - As above - men spraying in the forest	3
833	LS	SPRAYING - Pan downward from spray in trees to men on ground	5
834	MCU	SPRAYING - Similar to Scene 832	16
835	MCU	SPRAYING - Pans out along nozzle, stream, and into trees, then returns to men	13
896	MS	SPRAYING - Men spraying, using equipment from the old-fashioned pumper	3
897	MS	SPRAY NOZZLE - On the equipment shown in Scene 896	3
1118	CU	SPRAYING CALF which is tied on ground; man's hand pumping hand sprayer and spray stream in frame	12
1190	MS	SPRAYING AND CLEANING CHICKEN HOUSE before introducing pullet flock into it	19
1191	CU	SPRAYING AND CLEANING CHICKEN HOUSE - Similar to Scene 1190	6
A861	MCU	SPRAYING - Man mixing spray into a portable spray tank - road and trees in BG	16
A862	CU	HANDS putting on lid of portable spray tank and pumping pressure in tank	16
A863	MS	SPRAYING - Man goes away from camera carrying spray tank and spraying weeds along roadside - trees in BG	10
A864	MCU	SPRAYING - Man walks to camera spraying cabbage plants	6
A865	CU	SPRAYING - Same as above - different angle	6
A868	MCU	SPRAYING - Man walks toward camera spraying cabbage plants	8 $\frac{1}{2}$
A869	MCU	HAND-DUSTING - Woman dusting bean plants - comes toward camera	5
743	CU	SPRAYING - Horse-drawn spray and tank with booms spraying for morning glories in tall grass - pans and goes away to LS	9
893	LS	HORSE-DRAWN SPRAYER (old-fashioned, developed during the gypsy moth control program)	7
894	MS	HORSE-DRAWN SPRAYER, Similar to Scene 893	4
969	LS	HORSE-DRAWN SPRAYER moves down road toward camera - As sprayer passes camera, men spraying come into view - Ends with pan up spray stream	16
970	LS	HORSE-DRAWN SPRAYER moves down road away from camera - Opposite of Scene 969	
878	CU	GAUGES ON DDT TANKS during filling of plane	5
903	CU	GAUGES - Shot of gauges while filling the spray tanks on USDA plane	14

<u>Scene #</u>			<u>Ftg.</u>
421	LS	SPRAYING - Tank truck filling plane with spray liquid 2,4-D - Oklahoma	7
422	LS	SPRAYING - Same as above	6
847	LS	SPRAY PLANE - Yellow contract spray plane of Scene 845 loading and preparing for take-off	19
848	LS	PLANE of Scene 847 - pilot enters cockpit, plane is taxiing onto runway	26
849	LS	PLANE of above scene taking off	14
899	LS	USDA PLANE LANDING - pan to MS - plane taxiing up to loading tanks and preparing to load spray	26
900	MS	LOADING SPRAY into USDA plane tanks	15
901	MS	LOADING SPRAY - Similar to Scene 900	4
994	LS	LOADING SPRAY - USDA plane loading spray into tanks at airport	21
A806	MCU	PLANE - Small yellow plane comes toward camera on runway (road) to be filled - man and woman walk toward it with hose from back of truck in FG	11
A807	CU	PLANE being filled with liquid insecticide - side view	10
A808	MCU	PLANE with propeller spinning ready for take-off - side view - white truck in BG	6
928	CU	MIXING SPRAY - Shows mixing of Paris Green spray for control before the advent of the chlorinated organic compounds	12
929	CU	MIXING SPRAY - Continuation of Scene 928 - Addition of fish oil to the mixture	6
A837	CU	GRASS moving as spray hits it	13
A840	CU	GRASS moving as spray hits it	14
B838	MS	SPRAYING - Man spraying bare fruit trees with yellow spray. Spray tank in FG	11
B839	MS	SPRAYING - Spray rig moves across scene reveals man spraying bare fruit trees. Pans to spray and branches against sky	6
B840	MS	SPRAYING-Yellow spray hitting bare branches. Pans to man operating spray equipment, then back to branches and spray against sky	8
B841	MS	SPRAYING-Man operating spray nozzle. Pans to yellow spray hitting bare tree branches	
B842	MS	SPRAYING-Man spraying bare fruit trees. Tractor in FG	8
B843	MS	YELLOW SPRAY hitting bare fruit trees. Top of Tractor in FG	6
B844	CU	SPRAY MECHANISM on back of tractor in operation	3
B845	ECU	SPRAY NOZZLE in operation. Yellow spray	4 $\frac{1}{2}$
B846	MS	YELLOW SPRAY hitting bare fruit tree branches. Pans to man operating spray hose	13
B847	MS	SPRAYING-Man operates spray hose, pans back and forth down row of bare fruit trees	16
B1273	MS	SPRAYING-Man operates spray rig (wing type) mounted in rear of truck driving directly away from camera in hay field. Cloudy blue sky in BG	10

<u>Scene #</u>			<u>Ftg.</u>
B493	LS	SPRAYING - Tractor-drawn boom spray moves diagonally across ladino clover field, L to R - trees and farm buildings in extreme BG	7
B494	LS	SPRAYING large field of alfalfa - tractor-drawn boom-type spray rig moves diagonally across camera - farm buildings and some trees in extreme BG	12
B495	LS	SPRAYING large field of alfalfa - tractor-drawn boom-type spray rig moving away from camera	10½
B496	MS	SPRAYING - Nurse truck in right FG at edge of alfalfa field - tractor-drawn spray rig approaches - pan with rig as it pulls along side of nurse truck	13
B497	CU	SPRAYING - Continuation of B496 - shot between spray rig and nurse truck. Man prepares to refill tank	8
A849	MCU	SPRAYING - Boom spray on back of pick-up truck spraying alfalfa field - side view - trees in BG	10½
A850	MCU	SPRAYING - Boom spray rig on tractor spraying grass in young orchard - pan with boom	10
A851	MCU	SPRAYING - Same as above	11
A852	CU	BOOM SPRAY RIG - Tilt up to include truck as it goes from camera spraying	14
A823	MS	SPRAYING - Spray rig mounted on truck spraying alfalfa field - goes away from camera - mountains in distance	2
A824	MCU	SPRAYING - Spray rig on truck spraying roadside - comes toward camera	15
A825	CU	SPRAY NOZZLE spraying roadside - goes away from camera - CU to MLS	16
A826	CU	SPRAY NOZZLE - Same as above - pans to CU of roadside	13
A827	CU	SPRAY NOZZLE spraying roadside - truck wipes scene as it comes toward camera	9
A828	MS	SPRAYING - Small tractor-drawn spray rig - goes away from camera as farmer with hand-held nozzle sprays roadside and fence row	24
A829	MS	SPRAYING - Same as A828 - reverse angle	6
A830	CU	SPRAYING - Same as A828 - tractor passes camera	10
A831	CU	SPRAY NOZZLE - Spraying - swings toward camera	3
A832	CU	SPRAY NOZZLE - Spraying - swings toward camera and back	2
A833	MS	SPRAYING - Large blower-type spray truck comes to camera spraying roadside - spray not always evident	4
A834	CU	SPRAYING - Blower-type spray truck comes toward camera spraying roadside	9
A835	CU	SPRAYING - Blower and spray nozzle spraying	3
A836	CU	SPRAYING - Same as above - CU to MS	4
A838	MS	SPRAYING - Blower-type spray truck travels along roadside spraying - cars and highway in BG - tilt down to CU of grass as spray hits it	21
A839	MS	SPRAYING - Blower and spray nozzle	23

<u>Scene #</u>		<u>Ftg.</u>
A841	MCU SPRAYING - Blower-type spray truck spraying grass - pan with truck - white house in BG	18
A842	MCU SPRAYING - Boom spray rig on front of tractor spraying cut alfalfa - bales shown - pan with tractor - mountains in BG	13
A843	CU SPRAY RIG - Bales of cut alfalfa in field - tractor with boom spray rig passes in FG - mountains in BG	7
A844	CU SPRAY RIG comes toward camera spraying field of grass - pan with tractor as it turns - mountains in BG	4
A845	MCU BOOM SPRAY RIG - Same as above - different angle	7
A846	MCU SPRAYING - Boom spray rig on tractor spraying grass in young orchard	5
A847	CU SPRAYING - Down shot on tomato plants - tilt up and pan with tractor spraying field	20
A853	CU BOOM SPRAY RIG - Tilt up into LS of truck as it goes from camera spraying	9
114	MS SPRAYING young corn plants with DDT - goes away from camera to LS	9
115	MS SPRAYING - Spray nozzle - pans to LS tractor - sprays as it spreads insecticide on young corn plants	9
116	MS SPRAYING - Man on tractor spraying young corn with insecticide - pans, goes to LS	14
442	SPRAY RIG - Tractor drawn with boom spraying sagebrush - pans as it turns and goes away	17
443	SPRAY RIG - Tractor-drawn spray rig going on sagebrush	9
880	Pan to LS of DDT SPRAYER moving down street away from camera - newer method of controlling gypsy moth	28
973	LS SPRAY STREAM - Pan shot down spray stream in trees to men spraying	9
974	LS SPRAYING - Men behind spray truck doing the spraying	19
975	LS SPRAYING - Men behind truck spraying - camera pans up the spray into the trees and back down again	12
976	LS SPRAY seen coming up through trees	10
977	CU SPRAY through trees	9
984	LS SPRAYING, residential street - DDT mist comes into view toward camera, passes by camera, and out of frame to the left	33
221	CU WEED KILLER spray nozzles using 2,4-D	4
863	MS SPRAY NOZZLES found under yellow contract sprayer - shows type and range	8
864	MS SPRAY PUMP inside C-47 that disperses the liquid from the nozzles under the wings	11
963	MS SPRAYER, early type, for aircraft - pinwheel nozzle is driven by slip stream	21
964	CU SPRAY NOZZLE, pinwheel type used on early spray planes	12
965	LS PLANE WITH PINWHEEL NOZZLE - side view - pan view as plane is taxiing out on runway away from camera moving left across the screen	11

<u>Scene #</u>			<u>Ftg.</u>
904	MS	SPRAY NOZZLES under the wings of the USDA plane	6
905	CU	SPRAY NOZZLES - Similar to Scene 904	4
906	LS	SPRAY shown in slip stream of USDA C-47 (camera position, doorway of the plane)	18
907	CU	SPRAY from nozzles of C-47 (camera position, doorway of the plane)	14
1031	LS	SPRAY PLANES - Signaling spray planes; opens with man entering frame, woods background; equipment set up and Very pistol fired	18
898	LS	SPRAY RUN - USDA plane during spray run - shows emission of spray - camera is located in another plane	15
902	LS	USDA PLANE during take-off	11
940	LS	SPRAY OPERATION - USDA spray plane in spray operation at sunset - camera vantage point is doorway of plane	32
1020	LS	SPRAY PLANE (yellow) flying over sections of New England countryside - AV with residential and rural landscape	10
1021	LS	SPRAY PLANE (Yellow) - Making run over residential district of New England, AV	11
1051	LS	PLANE SPRAYING - AV of plane spraying, yellow contract plane in spray run over cultivated area	5
A809	LS	SPRAYING - Plane flying high spraying field - mountains in distance	4
A810	MLS	SPRAYING - Plane flying high spraying field - mountains in distance	11
A811	MS	SPRAYING - Plane spraying wheat field - mountains in BG	5
A812	MLS	SPRAYING - Similar to above - wheat prominent in FG	7
A813	MLS	SPRAYING - Plane flying toward camera spraying field of alfalfa - mountains in BG - pan to CU of alfalfa	5 $\frac{1}{2}$
A814	MCU	SPRAYING - Plane spraying cotton field - goes away from camera	6
A815	MS	SPRAYING - Plane spraying cotton field - comes toward camera	4
344	LS	AIRPLANE SPRAYING - Pan and goes away	12
345	LS	AIRPLANE SPRAYING - Same as above	6
346	LS	AIRPLANE SPRAYING - Same as above	11
347	LS	AIRPLANE SPRAYING - Same as above - good light	9
397	AV	AIRPLANE SPRAYING mesquite with 2-4-5 T at Spur, Texas	3
398	AV	AIRPLANE SPRAYING - Same as above	5
423	MS	SPRAY PLANE takes off - Oklahoma	4
424	LS	SPRAY PLANE - Same as above	8
845	LS	SPRAY BIPLANE - Small yellow contract spray biplane taking off for spray run	15
846	LS	USDA SPRAY PLANE - C-47 making a spray run to the signal of a Very pistol; camera location on ground as plane passes directly overhead	21
860		SPRAY PLANE - AV of small red-and-white spray plane in operation	5

<u>Scene #</u>			<u>Ftg.</u>
861	LS	SPRAY PLANE - AV similar to Scene 860	6
862	LS	SPRAY PLANE - AV similar to Scene 860	6
865	LS	SPRAYING - USDA plane makes three spraying runs - camera location stationary on lookout tower	31
866	LS	SPRAY RUN made by USDA C-47	12
867	LS	USDA PLANE - Return from Scene 866	12
868	LS	SPRAY RUN - USDA C-47 makes spray run directly at camera stationed on lookout tower and passes directly overhead	5
869	LS	USDA PLANE on runway taxiing away from camera - man eaves from door	10
870	LS	USDA PLANE taking off - camera position on ground	28
B506	LS	AERIAL DEFOLIATION SPRAYING of alfalfa - Plane comes from behind camera at left and moves into LS - building with red roof in BG	5
B507	LS	AERIAL DEFOLIATION SPRAYING - Plane comes ECU camera - same field as B506	3
B508	LS	AERIAL DEFOLIATION SPRAYING - Plane moves diagonally from R to L across field from LS to CU - same field as B506	3
B510	LS	AERIAL DEFOLIATION SPRAYING - Plane goes away from camera - same field as B506	7
B511	LS	AERIAL DEFOLIATION SPRAYING - Plane comes to and past camera - same field as B506	6
B512	LS	AERIAL DEFOLIATION SPRAYING - Plane goes from CU diagonally across frame from camera to LS - same field as B506	5
B513	LS	AERIAL DEFOLIATION SPRAYING - Plane comes diagonally to camera - same field as B506	6
B514	LS	AERIAL DEFOLIATION SPRAYING - Plane comes into frame on left side and goes away from camera - same field as B506	6
B515	LS	AERIAL DEFOLIATION SPRAYING - Plane comes to camera, turns left out of frame - same field as B506	5
B516	LS	AERIAL DEFOLIATION SPRAYING - Plane comes across frame R to L - mountains in BG - same field as B506	9
B517	MLS	AERIAL DEFOLIATION SPRAYING - Plane comes across frame R to L - same field as B506	4
B518	MLS	AERIAL DEFOLIATION SPRAYING - Plane comes diagonally across frame R to L	4

DISASTER
Section II

DROUGHT

FIRE

FLOOD

DISASTER

DROUGHT

Scene #			Ftg.
A400	LS	SMALL WHIRLWIND OF DUST - "Dust devil" - blowing across barren rangeland	4
427	LS	WHIRLWIND picking up dust	10
A401	LS	HIGHWAY covered with sand - Car coming to camera in extreme BG - sand blowing	5
A402	LS	HIGHWAY covered with sand - Two cars go down highway away from camera - sand blowing	7
A403	LS	HIGHWAY covered with sand - Yellow bus goes down highway away from camera - sand blowing	4
A405	LS	HIGHWAY covered with sand - "Sand devil" blowing across barren rangeland	3 $\frac{1}{2}$
A410	CU	CATTLE - Hereford and calf on barren rangeland	8 $\frac{1}{2}$
A412	MS	SAND DUNES sparsely covered with sagebrush and cottonwood trees - pan - cow standing in last few feet	5 $\frac{1}{2}$
A413	LS	CATTLE - Black Angus cow standing on sand dune - sagebrush and cottonwood trees only vegetation	2 $\frac{1}{2}$
A414	CU	SAND DUNE - Clump of sagebrush on sand dune - wind movement	2
671	MS	SAND DUNES - Oklahoma	6
672	MS	SAND DUNES - Oklahoma	10
673	MS	SAND DUNES - Oklahoma - blue sky and clouds in BG	10
A415	LS	CATTLE - White-faced Hereford on sparse range land	4
A416	MS	CATTLE - Black Angus grazing on stubble field	4
A417	LS	CATTLE - Black Angus cattle grazing on dry stubble range - pan to CU of calf - "sand devil" in BG	2 $\frac{1}{2}$
A418	MLS	CATTLE - Black Angus cattle grazing on stubble	4
490	CU	FEET WALKING on bare soil - pan with, then to car	9
511	CU	FEET WALKING IN DUST - Pan with them to old car	11
512	CU	Similar to Scene 511	10
513	CU	Similar to Scene 511	10
514	CU	Similar to Scene 511	8
515	CU	Similar to Scene 511	8
412	MS	MISCELLANEOUS JUNK on ground - Broken chain, old tires	8
A420	MLS	FARMSTEAD - Sand-covered - white house in BG with windmill and cottonwood trees - tumbleweeds scattered about area	3
A421	MLS	FARMSTEAD - Same as A420 - different angle - yucca plant in FG	2
A422	MLS	FARMSTEAD - Same as above	3
A424	LS	SAND DRIFTS along road in FG - man walks up road from camera, stops and looks around, then walks on - wind blowing	30
A425	CU	SAND DUNE - Man's feet go across dune - sand movement as he walks	7
A426	LS	SAND DRIFTED along fence row - Tilt down to CU sand drifts and tumbleweeds on ground	7
A427	LS	SAND DRIFTED - Same as above	6
A428	MS	SAND DUNES (large) - Two men walk up dunes away from camera - stop and look over barren area	15

DROUGHT

DISASTER

<u>Scene #</u>			<u>Ftg.</u>
A423	LS	RANGE LAND covered with red sand	4
A429	LS	RANGE LAND covered with sand - Two men looking over area	10
A430	LS	RANGE LAND - Two men walk away from camera over sand-covered range - movement of sand as they walk	9
A431	LS	RANGE LAND - Two men walk away from camera over sand-covered range - movement of sand as they walk	9
A432	MLS	WIND EROSION - Two men walk over blown-out area to clump of vegetation which has held	4
A433	CU	WIND EROSION - Man walks into frame, stoops and digs out dried grass root with pocket knife	2½
A434	ECU	DRIED GRASS ROOTS - Hands dig out dried grass roots killed by lack of rain, and sand	6
A435	CU	CACTUS PLANT - Hands with pocket knife uncover cactus plant buried by sand	7
A436	ECU	CACTUS PLANT - same as above - tilt up to barren sand-covered area	7
A437	MCU	SOIL MOISTURE - Two men testing soil for moisture content	3
A438	CU	SOIL MOISTURE - Same as above - hands only can be seen	4
A439	MS	COMBINE (red) abandoned in barren field - man walks to harvester, pulls off tumbleweeds	7
A440	CU	COMBINE - Man walks to combine - blades on harvester covered with tumbleweeds	4
A441	CU	COMBINE - Man pulls tumbleweeds away from combine	3
A442	MS	COMBINE - Same as above, different angle	3
A443	MS	COMBINE - Pan across abandoned combine in sand-swept field	3
A446	MS	TRACTOR pushing sand away from highway	4
A447	MS	TRACTOR pushing sand off highway - pan to another tractor pushing sand away from highway	9
A448	CU	TRACTOR going down highway - sand on both sides of road	4
A449	MS	TRACTOR pushing sand off highway	4
A450	MS	TRACTOR pushing sand off right-of-way of highway	6
A451	MS	TRACTOR - Same as above	5
A452	MCU	TRACTOR - Same as above	21
A453	MCU	TRACTOR - Same as above	4½
A454	MCU	TRACTOR - Same as above	18
A972	LS	SOIL - Expanse of bare soil showing wind erosion - blue sky and clouds in BG	14
A973	LS	SOIL - Same as A972	10
A974	MCU	GRASS ROOTS - Clumps of grass roots standing above wind-eroded soil	6

DISASTER

FIRE

<u>Scene #</u>			<u>Ftg.</u>
A993	CU	LOOKOUT STATION - up shot against blue sky	4
A994	MS	MARINES sitting on the side of country road - trucks and jeeps in BG - smoke coming from woods	4
A995	MS	MARINES go single-file through brush with fire-fighting hand tools	9
A996	MS	BRUSH FIRE (large) in woods - Marines walk across FG	11
A997	MS	RANGER puts out small fire beside a country road in the woods - horse tied to tree in BG	10
Al003	ELS	SMOKEJUMPERS coming down on mountain covered with conifer trees - shot from plane - a little jerky - northwestern United States	5
Al004	ELS	SMOKEJUMPERS - Same as Al003	2 $\frac{1}{2}$
Al005	ELS	AIRPLANE flies over mountain - smokejumpers parachute from plane - pan back to jumpers going down - northwestern United States	3 $\frac{1}{2}$
Al006	ELS	SMOKEJUMPERS descending - down shot from plane with wing in corner of frame - northwestern United States	4
Al007	ELS	SMOKEJUMPERS descending on rugged mountain covered with conifer - northwestern United States	4
Al008	ELS	SMOKEJUMPERS - Same as Al007 - closer to ground	6
Al009	ELS	THREE SMOKEJUMPERS descending through smoke to rugged mountain - northwestern United States	5
Al010	ELS	SEVERAL SMOKEJUMPERS descending to rugged mountain covered with conifer - northwestern United States	4
Al011	ELS	SEVERAL SMOKEJUMPERS - Same as Al010	3
Al012	ELS	MOUNTAIN SIDE - Shot from plane - parachutes in trees and on ground - northwestern United States	12
Al013	CU	SMOKEJUMPERS parachute from plane - pan to LS - northwestern United States	12
Al014	MS	SMOKEJUMPER descending - hits ground - parachute covers scene - northwestern United States	5
Al015	MS	SMOKEJUMPER descending - hits ground - northwestern United States	2
Al016	LS	SMOKEJUMPER descending - hits brush - northwestern United States	2
Al017	LS	SMOKEJUMPER descending - shot against blue sky - pretty - northwestern United States	1 $\frac{1}{2}$
Al018	LS	SMOKEJUMPER - Same as above - smokejumper hits brush - northwestern United States	4
Al037	CU	FOREST FIRE - Two firefighters walk across FG	5
Al038	MCU	FOREST FIRE - Firefighters making direct attack on fire (digging ditch around fire)	12
Al039	MCU	SMALL FOREST FIRE - Firefighters making direct attack on fire (cutting small trees and shrub near fire)	3
Al040	MCU	FIREFIGHTERS make direct attack on fire, using electric hand saw to cut limbs	10
Al041	MCU	FIREFIGHTERS - Same as Al040	3
Al042	MCU	FIREMEN using hand equipment to make sure the fire is "dead out"	4 $\frac{1}{2}$
Al043	MCU	FIREMEN - Same as Al042 - different angle	3

FIRE

DISASTER

<u>Scene #</u>			<u>Ftg.</u>
A1044	MCU	FIREMEN using hand extinguisher on live coals	2½
A1045	CU	HANDS using pick-ax to stir dirt and debris - stream from extinguisher on hot coals	1½ 2½
A1046	CU	FIREMEN - Waist up shot of two firemen working	2½
A1047	CU	FIREMEN using hand extinguisher	2½
A1048	CU	HANDS using pick-ax to stir dirt and brush - stream of water from hand extinguisher being put on brush	3
A1049	CU	STREAM OF WATER from extinguisher putting out small brush fire	5
A1051	MS	SEVERAL FIREMEN building fire line with hand implements	2
A1055	MLS	FIRE TRUCK and Forest Service truck come down curving highway - turn off highway to fire in A1054 - mountains in BG, blue sky	22
A998	MS	SMALL GRASS FIRE and smoke - down shot - southeastern United States	8
A999	MS	SMALL GRASS FIRE - Same as above - more fire	5
A1000	MS	SMALL GRASS FIRE - Same as above - very small fire in FG	5
A1001	MS	MAN examines soil of burned over area - palmetto plant and trees in BG - southeastern U. S.	6
A1019	MS	BRUSH FIRE in pine woods - southeastern United States	5
A1020	MS	BRUSH FIRE - Same as above - larger blaze	5
A1021	MS	FIRE in pine woods - burning from ground to top of trees	4
A1022	LS	BURNING BUILDING - Very black smoke fills most of the screen	7
A1023	MLS	BURNING BUILDING - Same as above	5
A1024	CU	BLACK SMOKE from building in A1022 billows against sky - fills most of screen	8
A1025	MS	SMALL BRUSH FIRE close to ground in large timber	7
A1026	MCU	AIRPLANE - single engine - spotting fire - western United States	2
A1027	LS	WHITE SMOKE funnels up from mountain - down shot from plane - western United States	4
A1028	LS	SMALL FOREST FIRE in conifer trees - northwestern United States	5
A1031	MCU	FOREST FIRE - Same as A1029 - two firefighters walk across FG - night shot	2
A1032	MCU	FOREST FIRE - Same as A1031	8
A1033	MS	RAGING FOREST FIRE - Yellow flames - night shot	13
A1034	MS	RAGING FOREST FIRE - Yellow flames - night shot - slight pan	8
A1035	MS	RAGING FOREST FIRE - Same as A1034	5
A1036	MS	RAGING FOREST FIRE - Same as A1034	18
A1050	MCU	RAGING FOREST FIRE - Pan slightly	5
A1052	ELS	TOPOGRAPHY - Smoke from burned over mountain - range land in FG	4
A1053	LS	TOPOGRAPHY - Mountains in BG, trees and small scrub brush in FG - white smoke moves across scene	5
A1054	MS	SMALL PICNIC FIRE by stream	5

DISASTER

FIRE

Scene #			Ftg.
A1056	MS	EXTINGUISHING FIRE in A1054 - One man uses water hose - other man picks up trash	7
A1057	MS	FOREST RANGER picks up part of paper cup from fire in A1054	6
A1058	CU	HANDS hold partially burned paper cup and piece of bread from fire in A1054	2
A1059	LS	TOPOGRAPHY - Billowing gray smoke from mountain in BG - barren range in FG	5
A1060	LS	TOPOGRAPHY - Same as A1059	4
A1061	LS	TOPOGRAPHY - Same as A1059 - trees in FG	6
A1062	ELS	TOPOGRAPHY - Same as A1059 - barren in FG	8
A1063	MS	RAGING FIRE in woods - burned trees and brush in FG	4
A1064	MCU	RAGING FIRE - Same as above	5
A1065	LS	RAGING FIRE on mountain covered with scrub brush - up shot - blaze and smoke against sky - red sun can be seen through smoke	5
A1066	LS	MOUNTAIN covered with scrub brush - small blaze on top with smoke billowing against sky - almost fills frame - tilt up to dark purplish-gray smoke	12
A1067	MS	MOUNTAIN - Same as above - no tilt	3
A1068	MCU	RAGING FIRE in scrub brush	4½
A1069	LS	FOREST FIRE - High flames - in small area on mountain side before it has spread - billowing smoke from fire	11
A1070	MLS	FOREST FIRE - Same as A1069	6
A1071	MLS	WHITE SMOKE from mountain side	5
A1072	LS	SMOKE on mountain side - small flame can be seen in BG	10
A1073	MS	TREE BURNING at base - falls to ground - quick pan - night shot	9
A1074	CU	TREE STUMP BURNING - Same as A1073 - night shot	5
A1075	CU	USDA-FOREST SERVICE TRUCK with firefighting equipment passes in front of camera - after truck passes, a large blaze can be seen for 4 ft.	16
A1076	LS	FIRE - Blaze and smoke billowing up in BG - dusk shot	8
A1078	ELS	GROUND FIRE on top of mountain - night shot	4
A1079	LS	WHITE SMOKE fills frame - as it moves, burned scrub brush and low white flames can be seen	5
A1080	LS	WHITE SMOKE - Same as above	5
A1081	CU	BURNED SCRUB BRUSH in FG - white smoke covers entire area - two white flames in BG	6
A1082	LS	BURNED SCRUB BRUSH - Same as A1081 - down shot	4
A1083	LS	BURNED SCRUB BRUSH - Same as A1081	5
A1084	MLS	BLACKISH-YELLOW SMOKE from mountain side - small flames can be seen through smoke - late evening shot	5
A1085	LS	SUN seen through thick blackish-yellow smoke for 3 ft. - quick pan to burning scrub brush - lots of smoke	13
A1086	LS	WHITISH-BLUE SMOKE - Funnel shape from dark mountain against blue sky - very little movement	5
A1086a	LS	WHITISH-BLUE SMOKE - Same as A1086 - smoke has a yellow cast against blue sky	6
A1087	LS	TOPOGRAPHY - Barren brown plateau in FG - ridge of dark mountains in BG - white smoke - funnel shape against blue sky	13

FIRE

DISASTER

<u>Scene #</u>			<u>Ftg.</u>
A1088	MS	BRUSH FIRE - Very red - burning low on ground - night shot	7
A1089	MCU	BRUSH FIRE - Same as A1088 - shot through wire fence	4
A1090	MS	BLAZING RED FIRE - Night shot	5
A1091	LS	YELLOWISH FIRE on ridge through center of picture - black smoke - late evening shot	5
A1092	LS	YELLOWISH FIRE - Same as A1091 - more fire	7
A1093	MCU	YELLOWISH FIRE - Same as A1091	6
A1094	MS	REDDISH-YELLOW FIRE - Fills most of screen - night shot	4
A1095	ELS	BRUSH FIRE - Firemen pull car away from fire - night shot	5
A1096	MS	GROUND FIRE - Logs and brush burning - white smoke - firemen in FG	10
A1097	MS	GROUND FIRE - Same as A1096	2 $\frac{1}{2}$
A1098	MCU	GROUND FIRE - Same as A1096	2 $\frac{1}{2}$
B1372	LS	FOREST FIRE - Raging red and orange flames on valley floor. Night shot framed by unburned trees in FG.	4
A1099	MS	SMOKEY BEAR POSTER - "Our Most Shameful Waste" - on burned tree	3
A1100	MCU	FIRE DAMAGE - Down shot - pan across burned over forest floor - tilt up to burned tree with Smokey Bear poster "Our Most Shameful Waste" - continue pan - soil looks ashy and charred	18
A1101	MS	FIRE DAMAGE - Down shot - pan across burned over forest floor to Smokey Bear poster "Our Most Shameful Waste" on burned tree	8
A1102	LS	BURNED OUT FOREST - Pan from right to left to CU forest fire sign "The Blackened Forest is the Result of Carelessness with Fire"	12
A1103	MS	BURNED OUT FOREST - Same as above - pan from left to right	11
A1104	MS	BURNED OVER MOUNTAIN - Pan right to left - ashen soil	9
A1105	MS	BURNED OVER MOUNTAIN - Same as above - different view	8
A1106	LS	BURNED OVER AREA - Down shot - pan from right to left - shows Smokey Bear poster - ashen soil	15
A1107	LS	BURNED OVER AREA - Down shot - pan from right to left - Smokey Bear poster on burned tree - ground covered with ashen soil	38
A1002	CU	HAND examines soil of burned over area	6
B1397	LS	FIRE DAMAGE - burned out forest, very smoky. Horizon indistinct.	5
B1398	MCU	FIRE DAMAGE - Down shot of burned roots of large tree. No horizon	10
B1399	MS	FIRE DAMAGE - Burned forest, several large trees with fire damaged roots in FG	6
B1370	CU	FIRE - Brilliant red flames rage, wild and windblown to right. Night shot.	4
B1371	CU	FIRE - Brilliant red-orange flames lash upward into night	3

DISASTER

FIRE

<u>Scene #</u>			<u>Ftg.</u>
B1373	MS	FIRE consuming wooden frame of building. Night shot raging flames are bright yellow-orange against black night.	4
B1374	MS	FIRE - House burning at night. Flames are red-orange, building indistinct	6
B1375	MS	FIRE - Two story frame house burning at night. Red-orange flames are raging thruout building. Windows are illuminated by flames.	9
B1376	MS	Cont. of above	9
B1376a	LS	FIRE - Red-orange flames pouring from upper story windows of frame house. Flames spread to roof and ground. Night shot.	8
B1377	MS	Cont. of above. Different angle, slender bare trees in FG Silhouetted against burning house	7
B1378	MLS	FIRE - Raging in almost demolished frame of building. Night shot, brilliant flames	4
B1379	MS	Cont. of above	4
B1380	MS	Similar to above. Pan very slightly back and forth across flaming building	11½
B1381	MS	FIRE - Flaming structure of building. Window and door openings illuminated by orange-red flames. Night shot	3½
B1382	MLS	FIRE - House burning in night. Flames leaping around burning frame. Tree to right	4
B1383	MS	Similar to above	4
B1384	MCU	Similar to above	5
B1385	MCU	FIRE DAMAGE - Small boy (about 7) plays with frame of burned tricycle. Fire scarred debris litters ground. No horizon	3
B1386	MCU	Cont. of above. Boy looks at tricycle with puzzled expression	4
B1387	MCU	Similar to above. Boy appears to attempt to fix front wheel of bike	5½
B1388	MCU	Cont. of above. Boy plays with tricycle	6
B1389	MS	FIRE DAMAGE - Slightly stooped farmer inspects fire-ruined machinery. Man wears outdoor clothing. Autumn colored foliage in BG	12½
B1390	MCU	FIRE DAMAGE - Front view of same farmer as he looks down at ruined machinery	8
B1391	MS	FIRE DAMAGE - Family of 4 inspects ruins of burned house. Father points to foundation, small boy with hands in pockets looks to camera	5
B1392	MLS	FIRE RUINS - Man walks thru rubble of burned seashore house. Ocean in extreme BG. Hazy blue sky	12
B1393	MS	Cont. of above. Different angle. Car stands in left frame. Chimneys left standing by fire are visible	12
B1394	LS	FIRE RUINS - Burned houses. Ocean in BG. Burned tree in FG	4
B1395	MS	FIRE RUINS - Burned car abandoned at edge of highway. No horizon, trees in BG	8
B1396	MS	FIRE RUINS - Reverse angle of above	9

FIRE

DISASTER

Scene #			Ftg.
A983	MS	RANGER STATION (log cabin type) on side of mountain - two forest rangers walk to station, one from the right, other from left - man answers telephone on porch - western United States	6
A984	MCU	RANGER STATION - Tilt down mountain to station (same as A983) - one man answers wall-type telephone on porch - other man writes information - western United States	6
A985	CU	RANGER STATION - Same location as A983 - one man talks on telephone - other man writes information - western United States	2
A986	CU	RANGER STATION - Same as A983	6
A986a	CU	RANGER STATION - Same as A983	4
A987	MCU	RANGER STATION - Same as A983 - Man hangs up phone, goes across porch and picks up short wave radio - other man helps put it into canvas bag - western United States	7
A988	CU	RANGER STATION - Hands put radio into canvas case - continuation of action in A987	4
A989	MLS	RANGER STATION - Same location as A983 - the two rangers pick up fire-fighting equipment, put it on their backs and walks away from cabin (soft focus)	20
A990	LS	RANGERS (2) walks up mountain - to and past camera - western United States	15
A991	CU	RANGERS in A990 continue climb of mountain - go away from camera to LS	14 $\frac{1}{2}$
A992	CU	RANGERS in A990 continue climb - go diagonally across frame away from camera to LS	13

FLOOD

A649	MS	SIGN "PRIVATE PROPERTY" by broken wire fence - army duck comes into picture - area flooded	5
A650	MS	SIGN "PRIVATE PROPERTY" on iron fence gate - pan to show fence submerged by flood water	2
A651	MS	FRAME HOUSE (small, unpainted), outbuilding and wooden fences partially inundated - debris on water - junky-looking place	5
A652	CU	MUDDY FLOOD WATER washing against rocks	4
A653	CU	MUDDY FLOOD WATER Swirling around trunks of trees	4
A654	CU	MUDDY FLOOD WATER rushing over debris	4 $\frac{1}{2}$
A655	CU	MUDDY FLOOD WATER rushing and swirling around post that has caught debris	7
A656	CU	MUDDY FLOOD WATER rushing over debris (corn stalks)	3
A657	CU	MUDDY FLOOD WATER swirling over debris	10
A658	CU	MUDDY FLOOD WATER swirling over debris (corn stalks and limbs)	10
A659	LS	STREAM OUT OF CONTROL - Shot from moving boat, showing small houses partially inundated	10
A660	MS	ROOF OF HOUSE, LOG AND DEBRIS floating down river	6
A661	MS	BEDDING washed up on bank between two trees - water in FG	6
A662	CU	BEDDING - Mattress and springs in flood water - pan	5
A663	MCU	HOUSE (Frame, unpainted) submerged in flood water up to windows	4 $\frac{1}{2}$

DISASTER

FLOOD

Scene #			Ftg.
A520	LS	RAILROAD YARD partially inundated - business section of town in BG	16
A521	MLS	RAILROAD YARDS partially inundated - Pan to show large grain elevator and business section in BG	13
A522	MLS	RAILROAD YARDS - Same as Scene A521	7
A523	MS	GRAIN ELEVATOR (Large) surrounded by flood water	9
A524	CU	GRAIN ELEVATOR surrounded by flood water - reflection can be seen in water (only the lower portion of elevator can be seen)	6
A525	CU	OIL DRUMS floating in flood water - RR crossing sign and business houses in BG	4
A526	MS	FLOUR MILL against blue sky - Tilt down to flooded street - two men in rowboat coming up street	13
A527	MS	MEN IN ROWBOAT (Two) come down business street - get out of boat with small motor	20
A528	CU	FLOOD WATER rising in brick street	15
A529	MS	WAREHOUSE partially inundated - Water up to loading platform - shot from moving boat	5
A530	MS	FACTORY (small brick) partially submerged in several feet of water - blue sky, white clouds	7
A531	MLS	PUBLIC SERVICE BUILDING partially submerged - shot from moving boat	7
A532	MS	SWIRLING WATER around two wooden pilings	9
A533	MCU	FLOOD WATER BEING PUMPED OUT OF FACTORY - High wire fence around inundated factory - pan	8
A534	CU	FLOOD WATER BEING PUMPED OUT OF FACTORY - Same as above - pan along high link chain fence reinforced with sandbags	5
A535	MS	SANDBAGS along side of factory surrounded by flood water	5
A536	MS	SANDBAGS - Row along what looks like the edge of a street - area flooded - shot from moving boat	9
A597	LS	FLOODED RAILROAD TRACKS	7
A598	LS	SMALL COMMUNITY partially inundated by flood water - pan down street	6
A599	MCU	RED BRICK SCHOOL BUILDING partially under water	2 $\frac{1}{2}$
A600	LS	RESIDENTIAL STREET in small town partially inundated	2
A601	MCU	SMALL WHITE FRAME RESIDENCE partially inundated	2
A602	MS	SMALL WHITE FRAME RESIDENCE (with lamp post in front) partially inundated - shot from moving boat	2
A603	MCU	WHITE FRAME HOUSE (two-story) adjoining small cement block store partially inundated	6
A604	MLS	RAILROAD STATION, TOOL SHED AND OTHER BUILDINGS partially inundated - pan	10
A605	MS	RAILROAD TRACKS, TOOL HOUSE, RR STATION to grain elevator (small-townish) flooded - pan	11
A606	MS	RR TRACKS AND TOOL HOUSE surrounded by rushing flood water	5
A648	LS	HOUSE under several feet of flood water - man in a rowboat under roof of porch - pan	9

FLOOD

DISASTER

<u>Scene #</u>			<u>Ftg.</u>
A582	LS	FARMING AREA flooded - house and trees in BG	6
A585	LS	CHICKEN HOUSES flooded	3
A587	LS	FARMHOUSE in BG - Road leading to house through center of picture under water - fence along road	6
A588	MS	HOUSES partially submerged along overflowing stream - pan down stream	6
A589	LS	COUNTRYSIDE - Pan showing farm building and trees in BG partially submerged in water	5
A590	LS	HOUSES (sub-marginal) partially inundated by flood water - pan	7
A591	LS	ROW OF SMALL HOUSES in BG - Trees and picnic tables in FG partially inundated	3
A592	MS	FARMHOUSE - Yellow frame - and outbuildings partially flooded - pan	5
A595	LS	LARGE BARN surrounded by rushing flood water - shot from boat	5
A596	LS	FARM BUILDINGS surrounded by rushing flood water - pan	10
A537	MS	GRAIN ELEVATOR against blue sky - Tilt down to flooded street	7
A538	CU	GRAIN ELEVATOR (lower half) and freight car partially inundated	4
A539	CU	FREIGHT CAR partially submerged by several feet of flood water - high steel bridge in BG - blue sky	5
A540	MS	FREIGHT CARS (Two) submerged by several feet of flood water - high steel bridge in BG - blue sky	4
A541	ECU	TANK CAR partially inundated	5
A549	MLS	SWIRLING WATER around building - could be garage	6
A550	CU	SWIRLING FLOOD WATER	6
A551	CU	SWIRLING FLOOD WATER - Same as above	5
A552	MCU	TELEPHONE POLE partially inundated by several feet of flood water - reflection of pole can be seen in water	7
A556	CU	SWIRLING WATER - Tilt up to show main street flooded	11
A557	MS	SANDBAGS being placed at edge of flooded street	10
A560	CU	ARMY DUCK partially inundated	7
A593	LS	BOAT - Three men in an outboard motor boat come to camera - pan over to yellow frame farmhouse	6
A467	MS	BOAT - Three men in outboard motor boat coming to emergency mud dike - barn in BG	14
A468	MS	BOAT - Men getting out of boat - See Scene A467	10
A469	MS	BOAT - Men in boat going away from camera - emergency mud dike in FG - barn in BG	10
A473	MLS	AMUSEMENT PARK almost submerged in water - general view - pan - trees in park	9
A474	MS	AMUSEMENT PARK almost submerged by flood water - trees in FG	8
A475	MS	AMUSEMENT PARK almost submerged by flood water - pan	9
A517	LS	RESIDENTIAL SECTION flooded - Tilt up street to business section	14
A518	MS	RESIDENTIAL SECTION flooded	5
A519	MS	RESIDENCE flooded - Debris scattered over area	6 $\frac{1}{2}$

DISASTER

FLOOD

<u>Scene #</u>			<u>Ftg.</u>
A501	MLS	FARMSTEAD partially inundated - tree shadows in water - blue sky - pan	7 $\frac{1}{2}$
A502	MS	BARN (Wooden) AND SHED surrounded by flood water - large trees on side - blue sky	6
A503	MS	BARN (Wooden) AND OUTBUILDINGS surrounded by flood water - blue sky	4
A504	ELS	FARMHOUSE - Small, with trees and farm land under several feet of water - pan	12
A505	LS	FARMHOUSE (Red roof) and farm flooded	4
A506	MS	FARMHOUSE and buildings inundated - pan	12
A508	LS	FARM AND FARM BUILDINGS partially inundated	8
A509	MLS	FARM AND FARM BUILDINGS partially inundated	4
A510	LS	FARMSTEAD and surrounding area almost covered by flood water	6
A511	MS	FARMSTEAD - Same as above	3
A512	CU	FARMSTEAD - Same as above	6
A513	LS	FIELDS inundated - buildings in extreme BG	4
A514	LS	FARMSTEAD in extreme BG - emergency mud dike in FG broken by flood water - area inundated	6
A515	MS	FARMSTEAD - Same as above	2 $\frac{1}{2}$
A553	MCU	COUNTRY HOME surrounded by several feet of flood water - large trees around house	5
A554	MS	HOMES - Several partially inundated - pan - large trees around houses	12
A559	LS	FARMSTEAD partially inundated	8
A561	LS	FIELDS and unpainted wooden barns partially inundated	15
A562	LS	FARMHOUSE (white frame) surrounded by water	4
A563	LS	FARM AND FARMSTEAD surrounded by water - pan	18
A564	MS	FARM BUILDINGS surrounded by large trees partially inundated - pan	14
A565	MS	SWIRLING FLOOD WATER in woodlot - pan	4
A566	MS	WHITE FRAME HOUSE (two-story) surrounded by swirling flood water - pan	10
A567	MLS	WHITE FRAME HOUSE (two-story) surrounded by flood water - quick pan to army duck	15
A571	MS	FARMHOUSE - Flood water up to windows - tilt down to flattened house caused by flood	8
A573	CU	RUSHING FLOOD WATER around trees and debris	6
A574	CU	RUSHING FLOOD WATER over tin roof of house that has been flattened by flood	4
A575	LS	HOME surrounded by flood water - People standing on front porch - they wave their hands	3
A576	LS	FARMSTEAD - Showing home with trees, and barn partially inundated - blue sky, white clouds - pan	6
A577	MS	BARN AND FARM BUILDINGS partially inundated	4
A578	MS	FARMHOUSE, tree in yard partially under water	2
A579	LS	FARMSTEAD AND FIELDS partially submerged - pan to show buildings	6
A580	LS	FARM BUILDINGS and equipment partially inundated	8
A581	LS	FARMING AREA flooded - few houses and trees in BG	8

FLOOD

DISASTER

<u>Scene #</u>			<u>Ftg.</u>
A491	CU	WOMAN (Okie type) cleaning debris from porch after flood	5
A542	MCU	FLOOD WORKERS being served coffee by woman - coffee poured from large coffee pot	18
A543	CU	FLOOD WORKERS - Same as above	11
A544	CU	FLOOD WORKER - Head and shoulder shot, eating sandwich and drinking coffee - shot against sky	10
A546	MS	PROTECTING RAILROAD - Two boys placing sandbags along bank of river to protect railroad	13
A547	MS	FILLING SANDBAGS - Pan across flood water to railroad tracks - large group of boys filling sandbags to protect railroad	11
A548	MS	FILLING SANDBAGS - Group of boys filling sandbags to protect railroad - some taking mud off railroad tracks	5
A568	CU	FARMERS - Two men and woman on barge waiting to be rescued - barge anchored to mailbox post	5
A569	CU	FARMERS - Same as above	8
A570	CU	FARMER AND WIFE (head and shoulder shot) waiting to be rescued	5
A572	CU	MAN (head and shoulder shot) in boat	7
A456	MS	BARN AND GRAIN BIN inundated - gray overcast	9
A461	MS	FARMHOUSE and surrounding area partially covered by water - pan across water to concrete highway which has been partly washed away - gray overcast	14
A466	MS	FARM HOME - Shot between two large trees, showing unpainted house partially inundated - emergency mud dike in FG	10
A470	MCU	BARN AND JUNK in FG partially inundated	6
A476	MS	FARMSTEAD partially inundated by flood water - barn in FG - small frame house in BG - water to windows - pan to show other buildings and wooden fence	5
A477	MCU	BARN partially inundated	3
A478	MS	FARMSTEAD partially inundated - pan from small frame house in BG past barn in FG	9
A480	MLS	FARMSTEAD partially inundated - pan - trees without foliage around barn	6 $\frac{1}{2}$
A481	MLS	FARM AND FARMSTEAD partially inundated	5 $\frac{1}{2}$
A482	LS	FARMHOUSE AND OUTBUILDINGS partially inundated	9
A484	MCU	BARN AND FENCE several feet under water	3 $\frac{1}{2}$
A485	MS	FARM COOLING HOUSE several feet under water	3
A488	MS	FARM HOUSE - Family standing in front yard - furniture on porch and in yard drying out	9
A498	LS	TOOL SHED AND DEBRIS partially inundated - pan to house and trees	9
A499	MS	HOUSE - White frame, with picket fence across front lawn and trees in back partially inundated by flood water - shot from moving boat going to CU house	15
A500	MS	RURAL MAILBOX - Flood water up to box - white picket fence in BG - shot from moving boat	4

DISASTER

FLOOD

<u>Scene #</u>			<u>Ftg.</u>
A616	CU	GRAIN DAMAGE - Government-owned grain bins damaged during flood - large piles of grain spilled around bins - two men in BG inspecting damage	11
A617	MLS	GRAIN DAMAGE - Two rows of damaged grain bins - large piles of grain around bins - two men in BG inspecting damage - blue sky	10
A618	CU	GRAIN DAMAGE - Grain spilled on ground - pan across several rows of bins - CU to LS	13
A619	CU	GRAIN DAMAGE - Grain bins damaged by flood water (two rows of bins) - grain spilled all around bins - pan CU to LS	14
A620	LS	GRAIN DAMAGE - Same as above	7
A621	MS	GRAIN DAMAGE - Row of grain bins damaged by flood water - grain spilled around bins - water in FG - blue sky	4
A622	ELS	GRAIN DAMAGE - Metal grain bins surrounded by flood water	8
A623	LS	GRAIN DAMAGE - Same as above	6
A624	MLS	GRAIN DAMAGE - Same as above	6
A625	MS	GRAIN DAMAGE - Same as above	4
A626	CU	GRAIN DAMAGE - Damaged grain bins - grain on ground around bins - water in FG - pan along row of bins	20
A627	MS	GRAIN DAMAGE - Bins have burst, allowing the grain to spill out - pan along row of bins	19
A628	MCU	GRAIN DAMAGE - Three men inspecting grain that has spilled out of bins	5
A629	MCU	GRAIN DAMAGE - Same as above	10
A630	MLS	GRAIN DAMAGE - Grain spilled around bins - water and debris in FG	10
A631	CU	GRAIN DAMAGE - Grain spilled around bins - hold for four feet, then pan across bins	9
A632	LS	GRAIN DAMAGE - Metal grain bins damaged by flood - debris and mud in FG - hold for five feet - pan across two rows of bins and hold	18
A633	LS	GRAIN DAMAGE - Large piles of grain spilled around bins - pan CU to LS	10
A636	LS	GRAIN DAMAGE - Pan across two rows of metal grain bins damaged by flood - yellow grain spilled out all around bins	19
A637	LS	GRAIN DAMAGE - Same as above	26
A638	MCU	GRAIN DAMAGE - Pan - shows bins burst with yellow grain spilled around them	14
A639	LS	GRAIN DAMAGE - One row of grain bins showing grain spilled around them	4
A647	AV	GRAIN DAMAGE - Shows several grain bins surrounded by flood water	17
A479	MCU	AGRICULTURAL REPORTER reporting flood damage - standing on small barge surrounded by flood water - has on life-jacket and is talking into microphone	3
A490	MCU	WOMAN cleaning debris out of white frame house after flood	9

FLOOD

DISASTER

FLC	Scene #		Ftg.
	B1402	MLS FLOOD-Side view of damaged house at edge of raging white foamy river. No sky	6
	B1403	MS Cont. of above, different angle. Broken wall of house plainly visible	6 $\frac{1}{2}$
	B1404	LS Similar to above	10
	B1405	MS FLOOD-Unpainted house awash on river's edge. River raging. No horizon	5
	B1406	CU DEBRIS on edge of raging river, trees in extreme BG	3
	B1407	MS FLOOD-orchard on edge of raging river. Pan along bank. No horizon	17
	B1408	MS FLOOD-raging muddy creek. Down shot. Rocks on edge of right bank. White building in extreme BG	4
	B1409	MS FLOOD-Raging muddy creek. Cont. of B1408	3
	B1410	MS Cont. of above	7
	B1411	MLS FLOOD-Down shot of raging creek emptying into swollen river. Trees and rocks line creek banks. No horizon	8
	B1412	MS FLOOD-Orchard on edge of raging river	5
	B1413	MS FLOOD-Raging creek emptying into flooded river in BG. Trees and rocks in FG. Woods in extreme BG	7
	B1414	ELS WHITE FARM BUILDINGS inundated by flood waters. Blue sky laced white clouds	4 $\frac{1}{2}$
	A455	LS FIELDS FLOODED - Looking up road - pan across inundated fields - gray overcast	26
	A457	LS COUNTRYSIDE - Man walking down road to camera - barns and fields inundated - gray overcast	6
	A458	LS COUNTRYSIDE - Road (down hill) - flood water in BG - water has not reached FG - gray overcast	4
	A507	LS CORNFIELD inundated - windmill and corner of house in FG - pan across field past farm building	11
	A516	MLS YOUNG ORCHARD partially inundated by swirling flood water	9
	A558	LS FARMLAND FLOODED - Fence diagonally across frame - pan to show wooden barn	13
	A594	LS CORNFIELD flooded - Pan across field to large tree and small farm building	9
	A607	LS YOUNG ORCHARD flooded	2 $\frac{1}{2}$
	A608	LS YOUNG ORCHARD - Same as above	4 $\frac{1}{4}$
	A609	LS YOUNG ORCHARD - Same as above	12
	A610	LS YOUNG ORCHARD - Same as above	10
	A611	MCU FLOATING LOGS	3
	A612	CU FLOATING LOGS - Same as above	2
	A613	LS LARGE CORNFIELD - Pan across highway to other fields covered by flood water	13
	A614	LS FARM LAND (large area) flooded - Farm shack in FG	6
	A615	MS GRAIN DAMAGE - Rows of government-owned metal grain bins damaged by flood - grain spilled out around bins - blue sky	13

DISASTER

FLOOD

<u>Scene #</u>			<u>Ftg.</u>
A464	MS	HOGS being herded across highway - Flood water in BG	19
A471	MS	HOGS being unloaded from truck - they are being returned to farm after flood waters have subsided	17
A472	MS	CATTLE being unloaded from truck - they are being returned to farm after flood waters have subsided	12
A492	CU	HORSES STRANDED - Two horses stranded on high spot of ground - they walk out of the picture - hay rake partially inundated by flood water in FG	4
A493	CU	HORSES STRANDED - Two horses stranded on small spot of high ground - flood water in BG	2½
A494	LS	HORSES STRANDED - Shot from moving boat - pass hay rake in flooded area - two horses in BG on high ground	6
A495	ELS	HORSES STRANDED - Two horses stranded on small spot of high ground - rest of area inundated	4
A496	MS	HORSES STRANDED - Hay rake partially inundated - debris around wheels - pan to two horses on small plot of high ground	12
A497	MS	HORSES STRANDED - Two horses stranded on small plot of high ground in FG - water in BG	7
A459	LS	HIGHWAY AND FIELDS inundated - three cars on highway where water has not reached - gray overcast	6
A460	MLS	HIGHWAY - Portion of concrete highway washed away - house and trees in BG - gray overcast	11
A483	MS	DIKE - Large group of men placing sandbags on dike - overcast	11
A489	MCU	HIGHWAY damaged by flood - concrete has cracked and buckled - two men in extreme BG	9
A555	MS	FLOODED HIGHWAY - Car comes to camera - highway has been staked to indicate edge	12
A583	LS	BRIDGE at St. Joseph, Mo. - Pan across bridge to show river at flood stage	10
A584	LS	HIGHWAY under flood water	6
A586	MS	HIGHWAY flooded - army duck comes to camera loaded with people rescued from flood	12
A666	LS	BRIDGE - Pan across bridge in Des Moines showing new bulkhead from railroad yard - men working	23
A667	MS	NEW BULKHEAD at Des Moines holding back flood water from railroad yard - tilt up to steel bridge	9
A668	LS	NEW BULKHEAD - Same as above - bridge across the river in BG	6
A669	MS	NEW BULKHEAD - Same as above	9
A670	LS	UNDER BRIDGE SHOT across the Des Moines River showing swirling water around piling of bridge	6
A671	MCU	MEN REINFORCING PILING OF BRIDGE across the river at Des Moines	5
B1400	MS	FLOOD-Pan along subsided river banks littered with debris to log house on river's edge. Debris piled against side of building.	10½
B1401	MLS	FLOOD DAMAGE-Small one story cottage surrounded by debris, porch askew. Pan to still raging creek.	10

NATURE
Section III

INSECTS

Bees
Cattle Tick
Corn Borer
Grasshopper
Grubs
Gypsy Moth
Mormon Cricket
Spittle Bug
Weevil

SCENIC

Country Side
Fall
Spring
Sunset

WATER

Dams
Drainage
Irrigation
Lakes
Ponds
Rivers

WEATHER

Rain
Sky
Snow

WILDLIFE

Antelope
Bear
Beaver
Coyote
Buffalo
Deer
Duck
Eagle
Elk
Geese
Grouse
Lynx
Moose
Otter
Owls
Pheasant
Prairie Chicken
Quail
Raccoon
Rattlesnake
Sea Gull
Sheep-(Mountain)
Squirrel
Turkey
Weasel

BEESFtg.Scene #

B767	LS	ALKALI BEES in flight over colony	5
B768	MCU	ALKALI BEE BURROWS - Bees hovering over burrows	4
B769	CU	ALKALI BEE COLONY - Bees hovering over burrows	7
B770	MCU	ALKALI BEES - One bee emerges from burrow - turns around and reenters at 1 ft. - hold on burrow for 2 ft.	3
B771	CU	ALKALI BEE BURROWS - Bee alights and enters burrow - disappears at 1 ft.	3
B772	CU	ALKALI BEE BURROWS - Bee hovers over burrow but does not alight	8
B773	MCU	ALKALI BEE BURROWS - Several bees hovering	3
B774	CU	ALKALI BEE BURROWS - Same as B773	6
B775	CU	ALKALI BEE COLONY - Sparse vegetation - several bees hovering - three alight and enter burrows	8
B776	MS	ALKALI BEE COLONY - Several bees active over burrows	11
B777	MCU	ALKALI BEE COLONY - Portion cut away - hand with knife cuts more away to reveal inside burrows	8
B778	CU	Same as B777 - Knife blade enters and points out pollen ball with larva attached - knocks out ball	4
B779	CU	Same as B777 - Larger area cut away - knife points out larva on pollen ball	8
B780	CU	Same as B777 - Shows larva on pollen ball, as a second larva is shown on partly consumed pollen ball	4
B781	CU	Similar to B777 - Large larva on partially consumed pollen ball	5
B782	CU	ALKALI BEE digging burrow	4
B783	CU	ALKALI BEE emerging from burrow - Surveys situation and retreats	3
B784	CU	Same as B783	5
B785	CU	ALKALI BEE on red clover blossom	3
B786	MS	ALKALI BEE moves from one clover blossom to another - Green leaves as BG	4
B787	MS	Same as B786	3
B740	LS	HONEY BEES - Shot across large field of alfalfa in bloom - several beehives in middle of frame to BG - two men unloading hives from truck by hand	11
B741	MS	Same as B740 - Unloading beehives	9
B742	MS	Same as B740	13
B743	MCU	Same as B740	13
B744	MLS	Same as B740	5
B745	MS	Same as B740	11
B746	MS	HONEY BEES - Eight beehives in large field of Ladino clover in blossom	5
B747	MS	Same as B746	5
B748	MS	Same as B746	7
B749	MCU	HONEY BEES - Beehives being unloaded in alfalfa field from truck with a boom which is a one-man operation	7
B750	CU	Same action continued as in B749	7
B751	MCU	Continuation of B749	11½

<u>Scene #</u>			<u>Ftg.</u>
B752	MS	HONEY BEES - Approximately 20 stacks of beehives in two rows - trees on left of frame - light clouds in sky - no crop or activity evident	8
B753	MS	Same as B752	9
B754	MS	Same as B752 - different angle - dark BG	6
B755	CU	Same as B752 - Only seven stacks can be seen	8
B756	CU	HONEY BEES - Base of beehive in Ladino clover - bees swarming at entrance of hive	6
B757	ECU	Same as B756	3
B758	ECU	Same as B756	8
B759	ECU	HONEY BEES entering and leaving hive	7
B760	ECU	Same as B759	7
B761	ECU	Same as B759	7
B762	ECU	Same as B759	8
B763	CU	HONEY BEE on spike of white sweet clover - shot against blue sky, bee leaves at 6 ft.	7
B764	MCU	HONEY BEE on spike of clover - Two other spikes slightly out of focus in frame - shot against blue sky	6
B765	MCU	HONEY BEE on pink alfalfa blossom	3
B766	MCU	HONEY BEE - Same as B765	4
432	LS	BEEHIVES in red clover field - low angle with MCU of clover blossoms	7
704	LS	BEEHIVES - Across pasture to row of beehives among trees	4
705	MS	BEEHIVES - Same as above	7
764	LS	BEEHIVES - Two in woody pasture	5
765	MCU	BEEHIVES - Same as above	8

CATTLE TICK

1077	CU	ADULT TICK on top of pebble, legs suspended so it cannot move out of focus	4
1074	MCU	ADULT TICK crawling on rocky ground	4
1075	MCU	ADULT TICK - Similar to Scene 1074	3
1082	MS	ADULT TICK on uneven ground	5
1083	MS	ADULT TICK heading to lower right hand corner of the frame	9
1084	CU	ADULT TICK - Head view - background out of focus	4
1088	CU	TICKS ON CATTLE - Shows how ticks hold on to cattle hide - several shown in frame on white hair background	7
1089	MCU	TICKS ON CATTLE - Similar to Scene 1088	8
1090	MCU	TICKS ON CATTLE - Similar to Scene 1088	9
1091	CU	TICKS ON CATTLE - Similar to Scene 1088	6
1076	MS	ADULT TICK LAYING EGGS on ground	5
1078	MS	ADULT TICK LAYING EGGS - top view	5
1079	MS	ADULT TICK LAYING EGGS - side looking from top at scene - similar to Scene 1078	5

<u>Scene #</u>			<u>Ftg.</u>
1080	MS	TICK - Looking at tick, head view over eggs in foreground as laid by the tick	6
1081	MS	EGG LAYING - Looking from upper rear of tick which is to the right of the eggs	5
1085	MS	ADULT TICK LAYING EGGS - tick on left side of frame	4
1086	MS	ADULT TICK LAYING EGGS - Similar to Scene 1085	9
1087	LS	TICK in upper right hand corner - eggs being laid and cluster is in center	9
1092	CU	TICK LAYING EGGS - Tick racing camera, downshot (background is soft focus)	3
1070	MCU	TICK NYMPHS crawling up vegetation to attach themselves to any cattle wandering by	6
1071	MCU	TICK NYMPHS - Similar to Scene 1070	9
1072	MCU	TICK NYMPHS - Similar to Scene 1070	4
1073	CU	TICK NYMPHS - A multitude of tick nymphs on a single blade of grass	10
1093	MS	TICK NYMPHS crawling on blades of grass	9
1094	MS	TICK NYMPHS - Similar to Scene 1093	5
1095	MS	TICK NYMPHS on ground after hatching and before climbing vegetation to attach to cattle	3
1096	MS	TICK NYMPHS crawling on blades of grass	7
1097	CU	TICK NYMPHS - Stalk of grass plant near crown with tick nymphs crawling all over it	6
1098	CU	TICK NYMPHS - Blades of grass vegetation with tick nymphs moving over it	5
1099	CU	TICK NYMPHS - Similar to Scene 1098	7

CORN BORER

83	MS	CORN BORER PUPA on corn leaf	4½
84	MS	CORN BORER PUPA - Same as above	4
85	MS	CORN BORER PUPA - Same as above	4
86	MS	CORN BORER PUPA - Same as above	6
87	MS	CORN BORER PUPA - Same as Scene 83 - pencil points to pupa	4
88	CU	CORN BORER DAMAGE - Broken tassel - pencil points to point of entry of worm	5
89	ECU	CORN BORER DAMAGE - Broken tassel	4
90	ECU	CORN BORER DAMAGE - Same as above	5
91	CU	CORN BORER in stalk - borer damage	6
242	CU	CORN BORER inside corn stalk	4
243	CU	CORN BORER - Same as above	5
244	CU	CORN BORER near hole in stalk, coming out	3
245	CU	CORN BORER in hole in corn stalk	5
246	CU	CORN BORER - Same as above	5

GRASSHOPPERS

A785	MS	GRASSHOPPER CAGES - Three white grasshopper cages used for checking insecticides in alfalfa field - man emerges from behind first cage, goes to others checking and recording results - sky and trees in BG	23
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INSECTS

NATURE

<u>Scene #</u>			<u>Ftg.</u>
A786	CU	GRASSHOPPER CAGES - Man inspecting cages and recording results	15
A791	MS	DEMONSTRATION - GRASSHOPPER CONTROL - County agent dons gloves to demonstrate insecticide - talks to farmers around him - stacked hay in BG	12½
A792	CU	DEMONSTRATION - GRASSHOPPER CONTROL - County agent talking - head and shoulder shot - stacked hay in BG	6½
A793	MS	DEMONSTRATION - GRASSHOPPER CONTROL - County agent mixing insecticide - farmers in FG - white fence and mountains in BG	6
A794	MS	DEMONSTRATION - GRASSHOPPER CONTROL - Similar to A793 - county agent stands up and talks - measures insecticide in cup - continuation of action above	7
A795	CU	DEMONSTRATION - GRASSHOPPER CONTROL - County agent measures insecticide in cup (different agent than the one in above scenes)	12
A872	LS	DEAD GRASSHOPPERS - Same as above	4
A873	MS	DEAD GRASSHOPPERS - Same as above - pan along ground	12
A874	MS	DROWNED NYMPHS on muddy soil	3
A875	MCU	DEAD GRASSHOPPERS and remains on ground	3
A876	MS	DEAD GRASSHOPPER and two dormant hoppers on frozen ground	2
A788	MS	GRASSHOPPER SURVEY - Man walking along fence on range - walks toward camera swinging handle of net in front of him, stirring up grasshoppers (numerous) - mountain in BG	22
A789	MCU	GRASSHOPPER SURVEY - Two men examine contents of grasshopper net - men standing in alfalfa field - hay and barn in BG - mountains at side of frame	4
A790	CU	GRASSHOPPER SURVEY - Hand inside of net showing captive grasshoppers	8
A787	LS	GRASSHOPPER SURVEY - Man walking on range toward camera, swings grasshopper net in front of him - hoppers flying in FG - mountains in BG	16
A773	MS	MIGRATING GRASSHOPPERS flying low over sagebrush range	3
A774	MS	MIGRATING GRASSHOPPERS - Same as A773	2
A775	LS	GRASSHOPPERS flying low over range - trees and buildings in BG	4
A776	LS	GRASSHOPPERS flying low over range - mountain in BG	19
A777	LS	GRASSHOPPERS - Similar to A776 - fence in FG	7
A778	LS	MIGRATING GRASSHOPPERS flying over grass range - down view - mountain in BG	5
A779	LS	MIGRATING GRASSHOPPERS - Same as A778	4
A780	LS	MIGRATING GRASSHOPPERS - Same as A778	2
A781	LS	MIGRATING GRASSHOPPERS in FG flying across range - mountains in BG	11
A783	LS	MIGRATING GRASSHOPPERS flying low over range - trees and buildings in BG	10½
A784	MS	MIGRATING GRASSHOPPERS flying over grass range - down view - mountain in BG	11
A938	MS	GRASSHOPPERS flying against blue sky and white clouds - hoppers not always clear	4

<u>Scene #</u>			<u>Ftg.</u>
A939	MS	GRASSHOPPERS - Same as above - different cloud formations	8
A967	LS	A FEW GRASSHOPPERS migrating - against sky - sagebrush in FG - mountain in BG	3
A679	ECU	GRASSHOPPER NYMPH (M. differentialis) - Differential nymph eating on end of stick - head and most of body shown - dark BG	3½
A680	ECU	GRASSHOPPER NYMPH - Similar to Scene A679 - no action	2
A683	CU	GRASSHOPPER NYMPH (M. differentialis) - Large differential nymph eating base of oat plant - head and part of body shown - side view	2½
A684	CU	GRASSHOPPER NYMPH - Most of same grasshopper shown eating oat plant - side view	3
A685	ECU	GRASSHOPPER NYMPH - Same as above	2
A686	ECU	GRASSHOPPER NYMPH - Same as above	3
A687	ECU	GRASSHOPPER NYMPH - Large differential nymph eating on bark of tree	3
A688	MCU	GRASSHOPPER NYMPH - Single nymph moving on tomato leaf	4
A689	MCU	GRASSHOPPER NYMPH - Large nymph on tomato foliage - side view	5
A690	MCU	GRASSHOPPER NYMPH on tomato leaf	3
A695	ECU	GRASSHOPPER NYMPH (M. differentialis) - Large nymph on ground eating moist soil - side view	2
A696	ECU	GRASSHOPPER NYMPH - Same as in Scene A695 on ground - reaches up and eats base of grass - side view	2
A697	ECU	GRASSHOPPER NYMPH - Same as above	3
A745	LS	NYMPHS - Mass of grasshopper nymphs sunning on log	3½
A746	MLS	NYMPHS - Same as above - closer	3
A762	CU	GRASSHOPPER NYMPH AND FLESH FLY	2
A768	LS	NYMPHS - Ground migration of grasshopper nymphs	11
A769	MLS	NYMPHS - Same as A768	12
A674	CU	GRASSHOPPER (M. femur-rubrum) - Red-legged grasshopper on stem of alfalfa - side view - no action	2½
A723	MS	GRASSHOPPERS - Several hoppers on damaged alfalfa plant - no action	4
A724	MS	GRASSHOPPERS - Same as above - different angle	3½
A725	MS	GRASSHOPPER upside down on damaged alfalfa leaf	6
A726	MS	GRASSHOPPER on damaged alfalfa leaves - back view	5½
A727	MCU	GRASSHOPPER upside down on edge of alfalfa leaf - CU of a second hopper's body at top of frame	4
A747	LS	NUMEROUS GRASSHOPPERS on alfalfa	4
A748	LS	NUMEROUS GRASSHOPPERS - Same as above	9
A749	LS	NUMEROUS GRASSHOPPERS - Same as above	13
A750	LS	NUMEROUS GRASSHOPPERS - Same as above - different angle	8
A751	LS	NUMEROUS GRASSHOPPERS - Same as above - closer	6
A708	CU	GRASSHOPPER eating corn leaf	10½
A710	CU	GRASSHOPPER - Small adult on corn leaf - little action	3
A711	CU	GRASSHOPPER - Same as A710 - different angle	4

INSECTS

NATURE

<u>Scene #</u>			<u>Ftg.</u>
A712	MCU	YELLOW GRASSHOPPER eating portion of damaged corn plant - head shown	4
A713	CU	YELLOW GRASSHOPPER - Same as A712	6
A714	ECU	GRASSHOPPER - Spotted yellow nymph on damaged ear of corn - jumps to back side of ear	2
A715	ECU	GRASSHOPPER - Same as above	3
A716	ECU	GRASSHOPPER - Head-on view	2½
A722	MS	GRASSHOPPER on damaged young corn plant - side view	5
A730	MCU	TWO GRASSHOPPERS on bent corn leaf - side view - no action	4½
A731	MCU	GRASSHOPPER eating corn leaf	5½
A732	MCU	TWO GRASSHOPPERS on bent corn leaf - some action - side view	3
A733	MCU	TWO GRASSHOPPERS - Same as A732 - part of a third hopper appears	5
A734	MS	TWO YELLOW GRASSHOPPERS facing each other on stripped corn leaf - a third hopper crawls up under side of leaf - side view	3½
A735	MS	THREE YELLOW GRASSHOPPERS on stripped corn leaf - side view - no action	3½
A736	MSL	TWO YELLOW GRASSHOPPERS on stripped corn leaf - side view - no action	4
A737	MS	TWO GRASSHOPPERS on stripped corn - no action	2
A738	MS	GRASSHOPPERS - Mass of hoppers on leaves of corn plant	6
A740	MCU	THREE GRASSHOPPERS on leaves of corn plant	5
A760	LS	SEVERAL GRASSHOPPERS on damaged corn	4
A703	CU	GRASSHOPPER eating clover	4
A704	CU	GRASSHOPPER - Similar to Scene A703 - no action	8
A717	CU	YELLOW GRASSHOPPER in yellow cotton blossom	2
A681	MCU	GRASSHOPPERS (M. differentialis) - Differential adult grasshopper and large nymph on ground eating moist soil	2½
A682	MCU	GRASSHOPPERS - Same as Scene 681 moving around on ground	2½
A698	CU	GRASSHOPPER (M. differentialis) - Adult hopper on ground - side view - no action	3
A758	LS	GRASSHOPPERS moving on ground	9
A759	MLS	GRASSHOPPERS - Same as A758	7
A761	MS	SEVERAL GRASSHOPPERS sunning on log - flesh fly near hoppers	1½
A672	CU	GRASSHOPPER - Single grasshopper eating Chinese elm leaf - side view	4
A673	CU	GRASSHOPPER - Single grasshopper on wheat stem - side view - no action	2
A691	MCU	GRASSHOPPER - Single grasshopper eating boxelder leaf - hopper partly shown on under side of leaf	2
A692	MCU	GRASSHOPPER - Single grasshopper eating boxelder leaf - down shot	4
A693	MCU	GRASSHOPPER - Same as above - different angle	3
A694	MCU	GRASSHOPPER on poplar stem - side view - no action	5
A728	MCU	GRASSHOPPERS - Mass of hoppers moving on bean foliage	5

<u>Scene #</u>			<u>Ftg.</u>
A729	CU	GRASSHOPPERS - Similar to A728 - different angle - little action	6
A742	MS	GRASSHOPPER - Single hopper on end of damaged grass blade - side view - no action	3
A743	MS	GRASSHOPPER - Single hopper among grass - slight action	4
A744	LS	GRASSHOPPERS moving along ground in sparse vegetation	8
A763	LS	GRASSHOPPERS among dried range grass	4
A764	LS	GRASSHOPPERS - Same as above	5
A765	LS	GRASSHOPPERS among dried range grass	7
A766	MLS	GRASSHOPPERS among range grass and weeds	6
A767	LS	GRASSHOPPERS - Same as above	6
A770	LS	GRASSHOPPERS in range grass	5
A771	MLS	GRASSHOPPERS - Same as A770	6
A772	MS	GRASSHOPPERS - Similar to A771 - two hoppers in FG	4
A968	CU	GROUND and grasshopper-damaged wheat	4
A675	CU	GRASSHOPPER (C. pellucida) - Clear-winged grasshopper on ground by young wheat - no action	3
A676	CU	GRASSHOPPER (C. pellucida) - Clear-winged grasshopper near base of wheat plant - no action	1
A677	CU	GRASSHOPPER - Same as above	2
A678	CU	GRASSHOPPER (C. pellucida) - Clear-winged grasshopper on wheat stem	3
A699	CU	GRASSHOPPER on young wheat - little action	6
A700	CU	GRASSHOPPER - Same as Scene A699	5½
A701	CU	GRASSHOPPER - Same as Scene A699	9½
A702	MCU	GRASSHOPPERS - Two grasshoppers on wheat - one moving	5½
A705	CU	GRASSHOPPER - Same as in Scene A703 on wheat - side view - very little action - dark BG	10
A706	CU	GRASSHOPPER eating foliage - side view	4½
A707	CU	GRASSHOPPER - Same as Scene A706 - different angle	8
A709	CU	GRASSHOPPER eating stem of wheat plant - head and most of body shown - side view	8
A720	MS	GRASSHOPPER on damaged grain head	4
A721	MS	GRASSHOPPER - Similar to A720 - second hopper appears at base of grain head	7
A739	MS	THREE GRASSHOPPERS on stems of wheat in wheat field - side view - slight action	5½
A741	MS	TWO GRASSHOPPERS on stem and leaves of wheat in wheat field	9
B1294	ECU	GRASSHOPPERS on milo grain (sorghum)	3
B1295	CU	Same as above	2½
A718	CU	MAGGOT emerging from shell of dead grasshopper on ground	3½
A719	CU	MAGGOT - Same as above - different angle - maggot crawls out of frame	3½
B1289	ECU	DEAD GRASSHOPPERS-Maggots devouring dead grasshoppers	3½
B1290	ECU	Same as above	6
B1291	ECU	Similar to B1289	5
B1292	ECU	Similar to B1289	7

<u>Scene #</u>			<u>Ftg.</u>
B1293	ECU	MAGGOT crawls out of dead grasshopper carcass onto ground	5
A800	MCU	MIXING BAIT - Two men emptying sack of bran into grasshopper bait mixer - sign "Danger Poison" in BG	2
A803	CU	BAIT emerging from bait mixer	2
A804	MCU	MIXING BAIT - Men emptying sacks of bran into bait mixer	3
A805	CU	BAIT - Men loading sacks onto small truck	2
A816	MCU	PLANE - Large silver plane approaching bait elevator to be filled	4
A817	CU	PLANE being filled - continuation of action in A816	1½
A818	MCU	BAIT ELEVATOR - Three men emptying bait into bait elevator - pan along elevator to men filling plane	3
A819	LS	BAITING - Plane baiting rough rangeland - shot from high point - pan following plane	2
A820	LS	BAITING - Plane baiting rangeland - comes toward camera - snow-capped mountains in distance	4
A821	LS	BAITING - Plane baiting rangeland - comes toward camera - trees and mountains in distance	5½
A822	LS	BAITING - Same as A821 - plane goes away from camera	5
A854	CU	BAITING - Back of truck - pan as it goes, showing turbine bait spreader baiting - man shovels bait	5
A855	CU	BAITING - Man filling blower-type bait spreader on rear of truck as it goes - pan to CU of grass moving as bait hits it	4
A856	CU	BAITING - Bait emitting from turbine bait spreader - pan as it goes	2
A857	CU	BAIT - Man on truck emptying sack of bait into hopper of bait spreader - pan	5
A858	MS	BAITING - Turbine bait spreader on rear of small truck baiting pasture	3
A859	CU	BAIT - Two men emptying sack of bait into hopper of spreader	2
A860	CU	BAIT - Man emptying sack of bait into blower-type bait spreader - goes away from camera - rear view	4

GRUBS

487	CU	GRUB	8
488	CU	GRUB	3
489	CU	GRUB	9
738	ECU	GRUBS - Early June beetle	4
739	MCU	GRUBS - Early June beetle grubs on dirt	11
740		GRUBS - Similar to Scene 739	13
741	CU	JUNE BEETLE beginning to burrow into dirt	15
742	LS	JUNE BEETLE GRUB crawls on dirt from left to right and begins to burrow in dirt	9
524	MCU	GRUB on ground	16
525	MCU	GRUB on ground - burrows in	14
526	MCU	GRUB - Japanese beetle	9

<u>Scene #</u>			<u>Ftg.</u>
527	MCU	GRUB burrows in	12
528	CU	GRUB on ground	2
<u>GYPSY MOTH</u>			
826	CU	PUPAE - Life cycle, pupae of Gypsy Moth on tree trunk - moth emerging	10
827	CU	MOTH, Life cycle - Emergence of moth completed	50
854	MS	MOTHS - Transferring female moths into keeping boxes from laboratory trays	14
855	CU	MOTHS - Female moths in the keeping boxes	16
856	MS	MOTHS - Girl cutting sex organs off female moths to be used in making bait for male moth traps	11
857	CU	MOTHS - Similar to Scene 856	17
858	ECU	MOTHS - Similar to Scene 856, shows hands doing cutting	21
954	CU	MOTH - Female moth emerging from pupae (shot in two scenes, with interval between scenes)	26
955	CU	PUPAE CLUSTER - Sequence of female moth emerging - follows Scene 954	14
962	CU	LARVAE SHEDDING SKINS during change to next instar - exterior	31
1026	MS	PUPAE - Emptying gathered pupae into laboratory trays for hatching	7
1027	MS	PUPAE - Gathering pupae in the field for transportation to laboratory	9
1028	MS	PUPAE - Emptying pupae into collection basket in field	9
1029	CU	PUPAE - Man taking pupae off of the trees	7
1030	CU	PUPAE - Man emptying the pupae into a collection basket	16
941	CU	MOTH TRAP - View of inside of moth trap containing test sheet to show degree of moth infestation	4
972	MS	MALE MOTH TRAP used for determining the extent of infestation in a certain area - four different moths come up and enter trap (camera stop between scenes)	22
987	MS	MOTH TRAP - Man building moth trap and preparing bait for inside of trap	3
988	MS	BAIT - Prepared bait is placed on sheets to be put inside of trap	20
989	MS	TRAP ON TREE - Man placing trap on tree after properly baited and prepared	11
990	MS	CHECKING BAIT - Man checking bait samples from inside of trap	13
992	CU	TRAP - Man nears trap hung on tree - prepares to remove check bait	3
993	MS	TRAP - Man approaches trap, opens it, checks bait, follows sequence of Scene 992	14
927	CU	FIGHTING GYPSY MOTH, early method - scraping egg clusters into pan of kerosene	23
953	CU	EGG MASSES - Scraping egg masses from trees into a pan of kerosene	12
842	LS	DEFOLIATION - AV of insect defoliation to New England forest area	8

<u>Scene #</u>			<u>Ftg.</u>
872	LS	DEFOLIATION - Tree in apple orchard showing defoliation	7
873	MS	DEFOLIATION - Tree in apple orchard showing defoliation - similar to Scene 872	4
874	LS	DEFOLIATION - Area showing defoliation damage and crop loss	5
930	MS	DEFOLIATION - Pan shot from top of tree to base and return	20
1036	LS	DEFOLIATION in trees as a result of larvae infestation	10
1039	LS	DEFOLIATION and damage from the larvae (summer time)	13
1040	LS	DEFOLIATION - Similar to Scene 1039	8
1041	LS	DEFOLIATION - Cultivated field and barn, foreground - defoliated trees on slope in background	12
1042		DEFOLIATION - Pan starting through a defoliated trees, moving right to shot of the whole defoliated tree and area	14
1043		DEFOLIATION - Pan similar to Scene 1042	18
1044		DEFOLIATION - Pan to right starting with CU of defoliation to LS of area	26
1047		DEFOLIATION - Pan to left from CU of defoliation to LS of defoliated area	12
1048	CU	DEFOLIATION - AV showing defoliated area	16
1050		DEFOLIATION - Pan to left - CU defoliation to LS of orchard area	20
1037	CU	LARVA COMPLETING DEFOLIATION of tree (shown on barren tree)	5
1038	CU	LARVAE DEFOLIATION - Pan from CU of larvae on branch to LS of defoliation in orchard	9
883	CU	EGG CLUSTERS on rocks in above quarry	7
884	MS	EGG CLUSTERS - Similar to Scene 883	2
915	MCU	EGGS found in a bird's nest	8
921	CU	EGG CLUSTERS found in tile - carded background, laboratory	5
985	CU	EGG CLUSTERS found on tree trunk	8
986	CU	EGGS - Female laying eggs on side of tree trunk	4
1015	MS	EGG CLUSTERS shown on trees and branches against a blue summer sky	6
1016	MS	EGG CLUSTERS on tree trunks	5
1017	CU	EGG CLUSTERS on twig	5
1018	CU	EGG CLUSTERS on side of tree - first instar larvae crawling over clusters	4
1019	CU	EGG CLUSTERS found in rubble, rotting logs	7
983	MS	LARVA INFESTATION on side of house, "For Sale" sign placed on side of house	6
1032	LS	LARVAE INFESTATION of pine tree - pan up to defoliated trees in background	15
1033	LS	LARVAE INFESTATION - Similar to Scene 1032	11
1034	LS	LARVAE INFESTATION - Similar to Scene 1032	11
1035	LS	LARVAE INFESTATION - Similar to Scene 1032	16
1045	CU	LARVAE INFESTATION on birch - tree trunk	8
1046	MCU	LARVA INFESTATION on birch trunk	9

<u>Scene #</u>			<u>Ftg.</u>
1049	CU	LARVAE INFESTATION of twig - pan right to orchard showing loss to commercial growers	10
836	CU	LARVA - Gypsy Moth larva in laboratory; crawls across blue-carded background	5
837	CU	LARVA - Gypsy Moth larva crawling across rock surface	5
838	ECU	LARVA crawling across leaf of deciduous tree	10
850	ECU	LARVA EATING leaves of conifer tree	4
851	ECU	LARVA EATING - Similar to Scene 850, different camera location	6
852	ECU	LARVA EATING - Similar to Scene 850, different camera location	8
853	MCU	LARVAE on a conifer tree	5
931	MS	LARVAE suspended from dead branch on silk thread to be blown to next tree by wind	19
932	CU	LARVAE - Similar to Scene 931	9
933	MCU	LARVAE idle on leaves of deciduous tree	8
934	MS	LARVAE - Similar to Scene 933, larvae crawling	10
935	MS	LARVAE - Similar to Scene 934	7
936	MCU	LARVA on willow leaves	12
949	CU	LARVAE during early instar period on deciduous leaf	7
950	CU	LARVAE - Similar to Scene 949	12
951	ECU	LARVAE hanging by silk threads from broad leaf - blown on artificially for movement	23
978	CU	LARVAE on white carded background in laboratory, dying from bite of the fly, Compsilura Concinnata	7
979	CU	LARVAE - Similar to Scene 978	3
980	CU	LARVAE - Similar to Scene 978, pine twig on card in picture	7
981	CU	LARVAE - Similar to Scene 978	4
982	CU	LARVAE - Similar to Scene 980, pine twig is present	6
995	ECU	LARVA EATING leaves of evergreen (conifer) - head view	3
996	CU	LARVA EATING on needle-leaf tree - side view)	6
997	CU	LARVA EATING deciduous leaf - side view of larva from top	4
998	ECU	LARVA EATING on deciduous leaf - head view	5
999	CU	LARVA EATING on deciduous leaf - side view	5
1000	CU	LARVAE ON DECIDUOUS LEAF - two in frame	5
1001	ECU	LARVA EATING on deciduous leaf - side view	5
1002	ECU	LARVA EATING on deciduous leaf - head view	4
1003	ECU	LARVA EATING - Similar to Scene 1002	6
1004	CU	LARVA ON DECIDUOUS LEAF - side view	7
1005	ECU	LARVA EATING DECIDUOUS LEAF - head view	3
1006	CU	LARVA ON DECIDUOUS LEAF - side view	3
1007	CU	LARVA CRAWLING along twig, barren from damage	4
1008	CU	LARVAE - Two larvae on deciduous leaves	8
1009	ECU	LARVA EATING - Head view	11
1010	CU	LARVA ON DECIDUOUS LEAF - SIDE view	6

INSECTS

NATURE

<u>Scene #</u>			<u>Ftg.</u>
1011	ECU	LARVA EATING leaves - larva appears to be lying on its side	7
1012	ECU	LARVA EATING tree leaves - appears to be standing vertically - scene is head view	4
914	MCU	MOTHS - Female moths laying eggs on a tree trunk	5
942	CU	MOTHS LAYING EGGS - Female moths laying egg clusters on side of tree	12
991	CU	MOTHS - Female moths on side of tree laying eggs	6
918	CU	PREDATOR ATTACKING LARVA - Predator Compsilura Concinnata attacking the larva of a gypsy moth	6
919	CU	PREDATOR ATTACKING LARVA - Similar to Scene 918, but in corner of cage	11
920	CU	PREDATOR ATTACKING LARVA - Similar to Scene 918, but on carded background in laboratory	7
937	MCU	BEETLE ATTACKING LARVA of gypsy moth (Calosoma sycophanta beetle) - leaf background in laboratory	12
938	MCU	BEETLE ATTACKING LARVA - Similar to Scene 937	19
939	MCU	BEETLE ATTACKING LARVA - Similar to Scene 937	18
908	MS	CREOSOTING - Man in process of creosoting egg clusters on trees (a method of control used in the early stages of gypsy moth control)	17
909	LS	CREOSOTING - Man creosoting egg clusters on guard rails of bridge	13
910	LS	INSPECTING FOR EGG CLUSTERS - Man inspecting rocks, fence posts and other media for egg clusters	7
911	LS	CREOSOTING - Man creosoting bridge posts on a wooden bridge	2
912	LS	CREOSOTING - Man creosoting along fence row	2
913	CU	CREOSOTING the egg masses on a rock	3
917	MS	CREOSOTING - Man in tree creosoting the egg clusters during the fall	11

MORMON CRICKETS

357	LS	MORMON CRICKETS and grass clumps	4
358	LS	MORMON CRICKETS on earth	7
359	LS	MORMON CRICKETS laying eggs - ovipositor in earth	8
360	LS	MORMON CRICKETS - Same as above	5
361	LS	MORMON CRICKETS on ground	5

SPITTLE BUG

583	CU	ALFALFA PLANT with spittle from spittle bug	10
584		ALFALFA PLANT - Similar to Scene 583 - closer	8
585		ALFALFA PLANT - Similar to Scene 584	2
779	CU	SPITTLE BUG - Out-of-focus clover is pulled aside to reveal bug	3
780	CU	SPITTLE BUG	3
B873	CU	SPITTLE from spittle bug on green leaf	7

<u>Scene #</u>			<u>Ftg.</u>
B874	CU	Same as above	3
B875	CU	Similar to above	5

WEEVIL

75	MS	WEEVIL INFESTED CORN	19
76	CU	WEEVIL INFESTED CORN - Same as above	12
161	CU	WEEVIL ON CORN - Weevils move over corn	26
33	CU	WEEVIL DAMAGE to corn 'kernels	3
34	CU	WEEVIL DAMAGE - Same as above	8
162	CU	WEEVIL HOLES in corn - some weevils shown	9
163	CU	WEEVIL HOLES - Same as above	7
164	CU	WEEVIL HOLES - Same as above	7
165	CU	WEEVIL HOLES - Same as above	6

SCENIC

COUNTRY SIDE

49	LS	COUNTRY ROAD - Barn in distance - bare fields, no foliage, fall	7
839	LS	COUNTRYSIDE, Scenic shot of New England countryside from the top of Sugar Loaf Mountain near Deerfield, Mass.; river runs down center of frame amid cultivated fields	6
843	LS	COUNTRYSIDE - AV, New England	6
947	LS	COUNTRYSIDE - More scenic shots from Sugar Loaf Mountain - depicts New England countryside with river in the middle of scene	10
948	LS	COUNTRYSIDE - Another scenic shot from Sugar Loaf Mountain, looking up river, similar to Scene 947	10
1181	LS	COUNTRYSIDE - Scenic shot, looking down country road - REA line along road, farmstead on right side, fields on left (summer)	15
1182	LS	COUNTRYSIDE - Scenic shot, looking over cornfield (early summer) to hills in background - pan right to farm - barn in left foreground at end of pan	15
1183	LS	COUNTRYSIDE - Scenic shot, looking similar to Scene 1182	19
A949	LS	COUNTRYSIDE - Scenic shot - barn and farm buildings in BG - tilt down to CU of grass	11
A950	LS	COUNTRYSIDE - Same as above	7
B983	LS	COUNTRYSIDE Pan over rolling hills past white farmstead. Car drives along road below. Waving grain in field. Overcast sky	21
B985	LS	COUNTRYSIDE. Pan past white farmstead and grainfield. Hills and woods in distance.	21
B956	LS	COUNTRYSIDE - Scenic view over strip of corn to distant farmstead. Pans right across hills and fields, past another farm, holds on strip cropping. Overcast sky	20

SCENIC

NATURE

<u>Scene #</u>			<u>Ftg.</u>
B1077	LS	AUTUMN COUNTRYSIDE. Pan over field of corn stubble bordered by hills covered with autumn colored foliage. Holds on white farmstead. Dark cloudy sky.	5
B1101	LS	COUNTRYSIDE - Wide river to right of green fields edged with trees in BG. Highway in FG. No action	19
B1102	LS	COUNTRYSIDE - Same as above. Car drives along highway to and past camera	19
B1103	LS	COUNTRYSIDE - Down shot of river valley. Green field, trees and river in BG. Highway at bottom of steep slope in FG. Truck drives along highway and out scene. Blue sky	11
B1435	LS	COUNTRYSIDE - Down shot of shallow valley. Terraced hillside in BG. Country road on valley floor	9
478	AV	SQUARE FIELDS AND TOWN	9
479	AV	Same as above	5
307	DV	WESTERN COUNTRY - Valley and mountain range in far distance - Ephraim, Utah	10
615	LS	VALLEY - From mountain top into mountain valley - Great Basin area near Ephraim, Utah - mountains in BG, trees in FG	7
616	LS	VALLEY - From mountain top into mountain valley - mountains in BG	4
B1041	LS	COUNTRYSIDE - Hill with pole on top. Pan along wooded ridge, past small settlement, holds on several homes at foot of ridge. Pretty clouds in sky	13
1042	LS	VALLEY - Down shot of countryside. Highway and farmsteads visible. Cloud shadows drift across grass fields. Pan over fields and wood areas, holds on man in outdoor clothing standing with back to camera looking over valley	19
B1043	LS	Same as above	22
B1044	LS	VALLEY - White farmstead in BG. Scene framed by tree branches waving in wind. Overcast sky	23

FALL

C2	MLS	WHITE BIRCH TREES with golden yellow leaves. Deep blue sky	4
C3	MLS	Same as C2 - shot at a slightly different angle	5
C4	MS	WHITE BIRCH TREES with yellow leaves shot against blue sky. Upper half of trees can be seen	7
C5	MS	WHITE BIRCH TREE with yellow leaves. Shot against deep blue sky.	4
C6	MS	TREES with red, yellow and orange leaves shot against blue sky. Low conifers in FG	8
C7	MCU	Same Trees as C6 - upper halves shot against blue sky	8

NATURE

SCENIC

<u>Scene #</u>			<u>Ftg.</u>
C8	MCU	Tree top with red and green leaves shot against blue sky. Slight wind movement	8
C9	MCU	Same as C8	5
C10	CU	Tree branch with red leaves shot against blue sky. Wind movement	5
C11	CU	Same as C10	5
C12	CU	Similar to C10	5
C13	MCU	TREE BRANCHES, several red and green, shot against blue sky. Slight wind movement	3
C14	MCU	Same as C13	5
C15	MCU	Same as C13	5
C16	MCU	Same as C13	4
C17	MCU	TREES and BUSHES with fall coloring. Very little blue sky	5
C18	MCU	Same as C17	6
C19	MCU	TREES (small) and bushes with red, yellow and green leaves. Shot straight into leaves. No horizon	5
C20	MCU	Up shot of C19. Blue sky can be seen through the branches	5
C21	MCU	Same as C20	9
C22	MCU	Small Trees with fall colored leaves mixed with conifers. Shot straight in. No horizon. Slight wind movement	10
C23	MCU	Colored leaves, red and orange, and branch of conifer fills frame	5
C24	CU	Same as C22	5
C25	CU	Same as C22	5
C26	CU	BRIGHT RED LEAVES fill frame. Slight wind movement	5
C27	MS	BUSHES with red and green leaves fill frame	5
C28	CU	LIMBS of trees with red and green leaves fill frame Slight wind movement	5
C29	CU	BRANCHES with bright red leaves shot against green foliage. Spots of bright blue sky can be seen through leaves. Wind movement	6
C30	CU	Same as C29	6
C31	MS	RED LEAVES fill frame. Some green and blue can be seen on one side	6
C32	MS	BRANCHES with red and orange leaves fill frame. Green foliage around edge	6

SPRING

916	LS	SPRING SCENE in New England - brooks thawing	13
C1	MCU	DOGWOOD tree in blossom. Foliage on surrounding trees just showing green. No horizon	13
C33	MS	FLOWERING BRANCHES, pink. Shot against blue sky	13
C34	CU	FLOWERING BRANCHES, similar to C33. Back lighted - tree trunks dark, blue sky, pink blossoms	4

SCENIC

NATURE

SUNSETSFtg.Scene #

830	LS	SUNSET - Scenic, shot from the door of a plane going down runway after landing	24
A238	LS	SUNSET - Silhouette of silo - colorful	3
A239	LS	SUNSET - Same as above	3
A240	LS	SUNSET - Silhouette of silo and barn - pan to prairie and sky effect	9
B803	LS	RED SUNSET - Dark FG - shot from moving car	23
C37	LS	SUNSET - Boy sitting on edge of lake in FG. Orange sky with reflection in water. Boy and trees in BG backlighted	6
C38	LS	Similar to C37 except boy smokes a cigarette	8

DAMS

B707	MLS	HOOVER DAM shot from hilltop showing lower side of dam - Mountains in BG	6
B708	LS	SHASTA DAM - Trees in FG, mountains in BG - no water flowing over dam	9
B709	MS	SHASTA DAM - Same as B708	6
B710	MCU	SHASTA DAM - Center portion - shot from below dam - no water flowing over dam	4
B1298	LS	SHASTA DAM - Beautiful reservoir surrounded by hills. Pine tree in FG. Pan to white Shasta Dam	22
B1299	MLS	DAM - front view from downstream, tilts down to clear water, shrubs growing on rocks. Blue sky	14
B1300	LS	DAM - Side angle, reservoir in upper right. Scene framed by tree branches. Beautiful sky, purple hills in BG	12
B693	CU	GRAND COULEE DAM showing heavy flow of water - Diagonal shot from west end	11
B694	CU	GRAND COULEE DAM - Same as B693	10
B695	MCU	GRAND COULEE DAM - Shot from east end	12
B696	MS	GRAND COULEE DAM - Same as B695	12
B697	MCU	GRAND COULEE DAM - Same as B695	8
B698	MS	GRAND COULEE DAM - Shot from east end and slightly above lake water level	12
B699	MLS	GRAND COULEE DAM - Same as B698	8
B700	MS	GRAND COULEE DAM - High shot from west side above dam showing supply pipes in FG for irrigation project	8
B701	MCU	GRAND COULEE DAM - Same as B700 except more pipes can be seen in FG	7
B702	CU	GRAND COULEE DAM - Supply pipes for irrigation fill FG - lake and top of dam in BG	11
B703	MS	GRAND COULEE DAM - Down shot showing surface and lake overflow and highway across dam - pan right across dark surface of lake along supply pipes to control house	12

NATURE

SCENIC

<u>Scene #</u>			<u>Ftg.</u>
B704	MS	Similar to B703 - Shot with wide angle lens	11
B705	MS	GRAND COULEE IRRIGATION DITCH, concrete-lined - Reflection of blue sky in water	6
B706	MS	GRAND COULEE IRRIGATION equalization ditch - Water flowing through ditch - down shot	6

WATER

DRAINAGE

B1196	MCU	STREAM STRAIGHTENING - Bucket of scoop shovel drops into muddy bank of small stream, digs up mud and swings up and out of scene. No horizon.	9
B1197	MS	STREAM STRAIGHTENING - Cont. of above. Side view of bucket digging into bank. Bucket is dumped onto bank and swings back over stream. Part of shovel on right. Trees and field in extreme BG	14 $\frac{1}{2}$
B1198	MS	STREAM STRAIGHTENING - Same angle as above. Loaded bucket skids up side of bank.	5 $\frac{1}{2}$
B1199	MCU	STREAM STRAIGHTENING - Bucket slides down bank of small muddy stream thru water and digs into opposite bank. Bucket swings up and out scene to right.	6
B1200	MLS	STREAM STRAIGHTENING - Full view of shovel working in BG. Unpainted board fence and tall grass in FG. No horizon	11
B1201	MLS	STREAM STRAIGHTENING - Scoop shovel in above scenes at work. Countryside in BG. Overcast sky	19
B1202	ECU	SCOOP SHOVEL BUCKET SCOPPING UP MUD. When loaded, bucket swings up and to right where it is dumped.	9
B1203	LS	SCOOP SHOVEL working at left edge of tiny stream bank. Trees against hillside in BG.	19
B1204	MS	STREAM STRAIGHTENING - Scoop shovel operating at edge of ditch. Surrounding land is flat. Trees in BG against sky.	17
B1205	CU	Cont. of above. Bucket scoops up mud, swings to left past body of machine. Contents are dumped on ground beside caterpillar. Trees in BG.	11
121	CU	DRAINAGE DITCH - Black soil - tilts to LS, man and tile machine digging ditch	12
122	CU	TILE PIPE in drainage ditch	4
123	MS	DITCH-DIGGING MACHINE and men	3
124	MS	DRAINAGE TILE PIPE being placed in ditch	2
125	MS	DRAINAGE TILE PIPE being placed in ditch by men - tilts up to men	6
126	CU	DRAINAGE PIPE - Water leaving drainage pipe - pans to ditch and LS of field	11
127	LS	DRAINAGE DITCH in field - pans to DV ditch-digging machine in field - water drains off	7
416	LS	DRAINAGE DITCH - Pans to reclaimed land	6
417	LS	DRAINAGE DITCH - Pans to reclaimed pasture land - good green pasture	11

<u>Scene #</u>			<u>Ftg.</u>
B1301	MLS	DRAGLINE cutting ditch thru pasture. Scene travels with bucket as it is dumped and swung back to raw ditch	13

IRRIGATION

A1	MLS	IRRIGATION PIPES hooked together in pasture by farmer and son	7
A2	CU	IRRIGATION PIPES Being connected in pasture - hand action	4½
A3	CU	IRRIGATION PIPE coupling adjusted, pan up as farmer walks down length of pipe in pasture	9
A4	LS	IRRIGATION PIPE placed in position by two men in pasture - pick-up truck in scene - tractor with mower comes by mowing grass - dairy barn in distant BG	15
B718	CU	IRRIGATION - Rear view of tractor equipment as it goes away from camera cleaning corrugations between rows of alfalfa for irrigation - blue sky, white clouds	16
B720	MS	IRRIGATION - Man opening irrigation valve in pot with key - alfalfa in BG	5
B721	MS	Continuation of B720 - Man lifts key out and walks out of scene - alfalfa in BG	8
B722	CU	IRRIGATION - Water flowing from pot - key is lifted out - several bees flying around pot	8
B723	CU	IRRIGATION - Water flowing from irrigation pot	5
B724	MS	IRRIGATION - Man laying canvas dam in irrigation ditch - irrigated alfalfa pasture in BG	11
B725	MS	IRRIGATION DITCH being cleaned out by same man as in B724 - he is using shovel	7
B726	MS	IRRIGATION DITCH - Two men placing siphons along ditch, away from camera - clover in BG, bee-hives in extreme BG	4
B727	MS	Same as B726 except men are working toward camera	16
A5	MS	IRRIGATION SPRINKLER in action on pasture - Herefords in BG	4
A6	MLS	IRRIGATION SPRINKLER in action on pasture - Holsteins in BG	7
A7	MCU	IRRIGATION SPRINKLERS in action on pasture	9
A8	CU	IRRIGATION SPRINKLER in action	7
B733	LS	IRRIGATION - Spray type system in operation in large field of grass for seed crop - valve and pipe in FG - mountains in BG, blue sky with white clouds	10
B734	MLS	IRRIGATION - Spray system in operation on wheels running diagonally across very large field of Kenlin clover	9
B735	MCU	Same as B734 - Down shot	7

NATURE

WATER

<u>Scene #</u>			<u>Ftg.</u>
B736	MS	Same as B734 - Low angle shot - valve in middle FG - clover blossoms in FG	13
B737	LS	IRRIGATION - Very large field of Kenlin Red clover in blossom - spray type irrigation system in operation in BG	6
B738	LS	Same field as B737 - Sprayers go from middle of frame to BG	8
B739	LS	IRRIGATION - Field of grass with spray irrigation system in operation - goes diagonally from FG to BG	8
B950	LS	IRRIGATION SPRINKLER SYSTEM operating in pasture. Brown and white cattle in BG. Overcast sky	16
B952	LS	IRRIGATION SPRINKLER operating in green pasture. Cows in BG. Overcast sky	10
B1296	MLS	IRRIGATION SPRINKLER operating on pasture. Hereford cattle in BG. Blue sky	7
B1297	MLS	IRRIGATION SPRINKLER operating on pasture. Woods in BG. Pale sky	8
588		FARMSTEAD in green irrigated valley - mountains in BG	2
589		DESERT RANGE - Sagebrush - mountains in BG - pan right across irrigated valley	18
598	MS	IRRIGATED GRASSLAND - Pan to left to undeveloped pasture land - Utah	17
599		IRRIGATED GRASSLAND - Similar to Scene 598 - fast pan	13
600		IRRIGATION DITCH - Irrigated pasture and mountains in BG - Utah	5
601	LS	IRRIGATED PASTURE - Cattle grazing on pasture - mountains in BG - Utah	3
B728	LS	IRRIGATION - Irrigated pasture with Hereford cows in extreme BG - portion of main ditch with gate in FG - lateral ditch goes diagonally from camera - hills in BG	5
B729	MLS	IRRIGATION - Same pasture as in B728 - valve and bank of main ditch in FG - Hereford cattle in pasture	8
B730	MS	IRRIGATION - Irrigated pasture - main ditch in FG goes diagonally away from camera - cattle grazing in middle BG - hills in BG, blue sky reflecting in water	7
B731	MLS	IRRIGATION - Irrigated pasture with Hereford cattle in extreme BG - portion of main ditch with gate in FG - lateral ditch goes diagonally away from camera	7
B732	MLS	IRRIGATION - Irrigated pasture with main ditch in FG goes diagonally away from camera - cattle grazing on pasture - blue sky reflecting in water	10
B711	MS	LANDPLANE - Tractor-drawn - moving diagonally across very large field R to L to camera	5

WATER

NATURE

<u>Scene #</u>			<u>Ftg.</u>
B712	MS	LANDPLANE - CU of scraper at center of equipment - pan toward front as it completes turn and moves away from camera	24
B713	CU	LANDPLANE - Scraper moves into CU and rear wheel passes - tractor-drawn subsoiler comes into scene from right and goes into MLS	25
B714	ECU	SUBSOILER - Tractor-drawn - passes in front of camera from R to L and comes into CU - pan with equipment as it moves from camera	6
B715	LS	LAND-LEVELING OPERATION - Pan with earth-moving equipment as it moves diagonally into MCU	16
B716	MS	LAND-LEVELING OPERATION - Tractor-drawn earth-moving equipment passes diagonally across camera range from R to L	9
B717	LS	LAND-LEVELING OPERATION - Earth-moving equipment comes toward camera and obscures another machine going in the opposite direction - pan with equipment as it comes into ECU and is obscured by dust	12

LAKES

B1120	MS	ARTIFICIAL LAKE - Four teen-age girls in swim suits stand on raft in lake. Three jump into water. Pan to girls swimming, then back to raft as swimmer climbs out onto raft aided by girl on raft. Hillside in BG. No horizon	18½
B1121	LS	ARTIFICIAL LAKE - Three girls on raft in lake jump into water. One girl sits on raft. Hillside, blue sky in BG	4
B1122	LS	ARTIFICIAL LAKE - Four girls on edge of raft in lake jump into water. Pan to girls swimming past raft. Hillside against blue sky in BG	23
B1123	LS	Cont. of above. Two girls swim and play in water. One climbs up onto raft	16
B1127	LS	SMALL LAKE - Beautiful blue water framed in BG by grass and trees. Green grass in FG. Blue sky	9½
B1128	LS	Same as above	9
B1314	LS	LAKE - Beautiful lake framed by green trees. Canoe in extreme right frame. Pretty sky	7

PONDS

440	MS	POND IN FG - CATTLE, CORRAL, WINDMILL IN BG	7
441	MS	Same as above	9
B951	LS	POND surrounded by woods. Trees reflected in water	16
B1124	MS	FARM POND. Down shot of white ducks swimming in green water. No horizon	4
B1125	MS	FARM POND. Black dog swims in green water. No horizon	10

NATURE

WATER

<u>Scene #</u>			<u>Ftg.</u>
B1126	LS	Cont. of above. Dog swims toward ducks in pond. Bank and trees visible against sky in BG	9
B1129	LS	POND - Pan from edge of small blue pond to opposite end of pond. Holds on view of shore. Trees on slope in BG	11
B1179	MS	FARM POND - Small pond surrounded by grass. Pan left to white farmstead on top of small slope to Holstein dairy cattle grazing in pasture. Overcast sky	25
B1430		GRASS tilts up from green grass over farm pond to LS of pond set in hollow of rolling hills. Hazy sky	9 $\frac{1}{2}$
B1431	LS	FARM POND - Green hills in BG. Tilts down over pond to CU of green grass. (Reserve of B1430)	10 $\frac{1}{2}$
B1433	ELS	FARM POND - Small pond at bottom of terraced hillside. Bare trees against blue sky on hilltop	17
B1434	LS	Same as B1432	23
<u>RIVERS</u>			
	LS	RIO GRANDE RIVER - Portion along the Mexican border - man on horseback along river bank moves through frame - man is in distance and unrecognizable except as a figure on horseback	11
1102	LS	RIO GRANDE RIVER - Similar to Scene 1101	11
B1100	LS	RIVER - camera looks down over wide river to green hills and bank in BG. Green slope with trees in FG. River lies diagonally across scene. No action	18
B1181	MLS	SMALL STREAM flowing to camera. Steel frame bridge in extreme BG. Trees behind bridge	8
B1182	MLS	DITCH - Small straight, grass-banked ditch comes directly to camera. Pretty countryside in BG. Water in ditch very clear	7
B1183	MLS	Same as above	7
B1184	MS	SMALL STREAM - Down shot of poles across water of stream. Grass on banks in FG tall and green. Water runs into stream from unseen source, makes ripples. No horizon	13
B1185	CU	STREAM - Clear shallow rivulet flowing under driftwood log and branches. No horizon	13
B1186	CU	EDGE OF STREAM. Boards and debris on bank. Brownish water moves slowly by. Down shot	6
B1187	MS	STREAM - Small shallow stream flowing down left side of scene from underneath unpainted board fence in BG. Woods behind fence. No horizon	8
B1188	CU	STREAM - Sandy stream bed with little stream rambling away down it. Driftwood in BG	7
B1189	MLS	STREAM winding through small valley. Trees on hill in BG. Tall green ripe grass edges shallow stream. Sandy floor in FG. Water flows to camera	13

<u>Scene #</u>			<u>Ftg.</u>
B1190	MCU	STREAM flows into wider portion. Water very muddy and thick. Mud edges the water. No horizon	10
B1191	MCU	Different view of above. Water flows from muddy bay into wider bay thru narrow outlet. Pan down stream, holds on view of stream disappearing around bank	18
B1192	ECU	WATER - Down shot of muddy water flowing slowly from left to right. Bits of white foam float on surface. No horizon	4
B1193	MS	RIVER - Small stream with green foliage-lined banks. Pans to straightened portion. Overcast sky	17
B1194	MS	RIVER - Narrow, dark river. Brown and green foliage on banks, railroad bridge in BG. Overcast sky. No action	3
B1195	LS	NARROW STREAM flowing diagonally across scene. Fairly steep, grass covered banks. Small town in extreme BG. Overcast sky	5
B1436	MS	MOUNTAIN STREAM - Down shot of white foamy water tumbling over rocks. Snow in right frame. Small pine tree at edge of stream	5
B1437	MS	RIVERSIDE - Travel shot of river seen thru trees. Summer season	10
B1078	MS	RIVER - Green water overhung with tree branches. Trees cast shadows in water. Stream disappears between trees in BG. No sky visible	10
B1079	MS	RIVER flowing between tree lined banks. Current in water visible. Sunlight dapples on water and leaves	15
B1080	ECU	EDGE OF RIVER flowing past point of bank. Driftwood and small plants on land. Water flowing in extreme FG. Very dark BG	12
B1081	MCU	SAND BAR in small stream. No horizon visible. Banks of stream have brown foliage as in spring	8 $\frac{1}{2}$
B1082	MCU	STREAM - very small, clear stream with brown foliage on right bank. Left bank is bare and rocky. Water flows slowly toward camera. Pan across silt to another view (LS) of stream. No horizon	23
B1083	MCU	SMALL RIVER swollen with rapid muddy water. Point of silt and mud on right. Foliage on banks is brown. Water flows to camera	10
B1084	MS	MUDDY RIVER - side view of river flowing rapidly from left to right. Trees in BG are bare, foliage on ground is brown. No horizon visible	11
B1085	MS	RIVER - Two trees lean across muddy swollen stream interlacing bare branches. No horizon visible	8
B1086	MS	RIVER - rapid, swollen river flowing away from camera. Trees on bank are bare. Foliage on ground is brown	10

NATURE

WATER

<u>Scene #</u>			<u>Ftg.</u>
B1087	MS	RIVER - Water very high on banks. Trees which come to edge of water are bare. Ground foliage is brown, dead	9
B1088	CU	SWOLLEN RIVER - Clump of trees on river bank in right FG almost surrounded by water. Trees are bare. No horizon	7
B1089	LS	RIVER lined with leafless trees. Pan across water, past old white birch tree, holds on view of slightly green pasture. Early spring, blue sky	13
B1090	CU	Same as Scene B1079	4
B1091	MS	Same as Scene B1080	14
B1092	CU	RIVER BANK - water flowing against edge of bank. Debris and driftwood on bank. Green shrubs in BG. No sky or horizon visible	11
B1093	MS	RIVER - Trees in full foliage line banks of small stream. River disappears around point of land. Steel frame bridge in BG	10

RAIN

WEATHER

1052	LS	RAINSTORM seen from cockpit of plane	10
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SKY

570		SKY SHOT with horizon - sun rays through clouds	6
571		SKY SHOT - Similar to Scene 570	8
572		SKY SHOT - Similar to Scene 570	5
573		SKY SHOT - Similar to Scene 570	7
574		CLOUDS with horizon - brightly illuminated	13
B801	LS	DARK CLOUDY SKY - Pan down to dark FG	8
B802	LS	DARK STORMY SKY - Dark FG - mountains in BG	7
B868	LS	OMINOUS SKY foretelling rain	3
B869	LS	Same as above	4
B1072	LS	CLOUDY SKY. White clouds almost cover blue sky	6
B1073	LS	RAIN CLOUDS - Threatening, very dark cloud hovers over green field. Trees against horizon in BG	12
B1074	LS	RAIN CLOUD	12
B1075	LS	THUNDERHEAD. Top of white thunderhead billows up against blue sky	14
B1076	LS	RAIN CLOUDS. Dark cloud partially covers white clouds and blue sky	5
784		SKY - Tilt down to CU of GRASS	4
785		SKY - Similar to Scene 784	9
786		SKY - Similar to Scene 784	9
787		SKY - Similar to Scene 784	7
788		SKY - Similar to Scene 784	7
793	MLS	SKY - Tilt down to CU of GRASS and dolly in	18
794		SKY - Similar to Scene 793	19
548		BLUE SKY - Tilt down to ECU of grass and dolly in	24
B1163	LS	RAINBOW and spot of blue sky breaking thru gray clouds. Dark hillside with leafless trees silhouetted against sky in FG	4 $\frac{1}{2}$

WEATHER

NATURE

SNOWFtg.Scene #

B1417	CU	SNOW- Footprints in snow. Tilts up to LS of man shoveling snow from in front of red barn door. Blue sky	14½
B1418	CU	SNOW - Farmer in outdoor clothing shovels at big snow drift at corner of barn. Blue sky, corn crib in BG	4½
B1419	MS	SNOW COVERED FIELD - Barb wire fence lined with weeds in FG. Snow fence in BG. Story sky, no distinct horizon	5½ 6
B1420	MS	Similar to above. Different angle	5
B1421	MS	Same as above	18
B814	MS	SNOW - Scenic view of snow on banks of small creek, wooden bridge in BG	17
B815	CU	SNOW - Scenic view of snow banked creek, clear water running rapidly	10
B816	CU	SNOW - Scenic view of snow banked creek with rapidly running, clear water	6
B817	MS	SNOW - Scenic view of snow banked creek	6
B818	MS	SNOW - Similar to above	7
B819	CU	SNOW - Tumbling water of snow banked creek, sideview	2 4
B1415	MS	BLIZZARD - Shivering sheep huddled against small red farm building in snow storm. Backs of sheep covered with snow as wind whips snow thru air	6
B1416	MS	Same as above	12
A358	MS	SNOW ON GROUND - Farmstead in extreme BG - man with dog in MS inspecting a pile of irrigation pipes	3
A359	MS	SNOW AND ICE on ground - Farmstead in extreme BG - man looks at stacked irrigation pipes - walks out of picture	6
B821	MS	FARM BUILDINGS - White barns and bary yard with snow on the ground	3
B822	MS	BARN YARD - Melting snow in barn yard, Holstein cattle and white farm building in BG	6

WILDLIFE

ANTELOPE

B1	CU	Antelope walks across frame - block of salt in BG	2½
B2	CU	Antelope grazing - walks out of picture	3
B3	CU	Antelope walks to camera - deer in BG	4
B4	MS	Antelope lifts head and stands still - side view - salt block in FG	3½

BEARS (Scenes B5 through B18 are of same bears at same location)

B5	CU	Bear - hand in pine bough on ground - pan as he lifts head and looks around - side view	5½
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NATURE

WILDLIFE

<u>Scene #</u>			<u>Ftg.</u>
B6	MCU	Bears (two) with backs to camera - one reaches for leaves on a tree which are close to the ground	5 $\frac{1}{2}$
B7	MS	Bear standing - holds to tall stump	3 $\frac{1}{2}$
B8	MCU	Bear climbs stump	4
B9	MCU	Bear sitting - gets up and stands against limb of tree	1 $\frac{1}{2}$
B10	MCU	Bear sitting with head down eating	2
B11	MCU	Bears (two) - one walks out of frame to camera, the other walks from camera to BG	4
B12	CU	Bear - side view - standing - walks out of frame	2
B13	CU	Bear - head to camera - playing with twig, comes to camera	5
B14	CU	Bear playing on ground	3
B15	MCU	Bear - head down rooting in pine bough	3 $\frac{1}{2}$
B16	MS	Same as B15	4 $\frac{1}{2}$
B17	MS	Bears (two) - one walks out of picture, the other roots around in pine boughs	10
B18	MS	Bear rooting around in pine boughs	7
B19	MLS	Bear climbing tree	2
B20	MLS	Three bears climbing same tree as above	3 $\frac{1}{2}$
B21	MCU	Two bears climb higher in same tree as above	2
B22	MCU	Same as B21	2
B23	MCU	Bears in same tree as above - look down	3 $\frac{1}{2}$
B24	LS	Bear walking on snow - from right to left across frame - forest in BG	9
B25	MCU	Same bear as in B24	1 $\frac{1}{2}$
B26	MCU	Bear in aspen tree against blue sky - bear backlighted	6
B27	MS	Same as B26	2
B28	MCU	Two bears in aspen tree - one climbs higher	6 $\frac{1}{2}$
B29	MCU	Same two bears as in B28 - they come down tree - one comes to the ground	11
B30	LS	Three bears in tree playing	7
B31	MLS	Same as B30	7
B32	MS	Same as B30	7
B33	MCU	Bear standing on tree root in stream drinking water	4

BEAVER

B34	LS	Beaver dam across stream	4
B35	MS	Same as above	2
B36	MS	Beavers (two) in green grass	5

BUFFALOES

B37	LS	Buffaloes on range - pan to show herd - blue sky - few hills with scattered trees in BG	14
B38	MCU	Buffaloes on range - same as B37 - fewer animals	3
B39	LS	Buffaloes on range - same as B37 - no pan	7

<u>Scene #</u>			<u>Ftg.</u>
B40	MCU	Four buffaloes - one wallows in dirt	4 $\frac{1}{2}$
B41	MCU	Three buffaloes eating grass - down shot	3 $\frac{1}{2}$
B42	CU	Buffalo calf - face to camera - turns head	4
B43	MCU	Three buffaloes standing near pine trees - calf nursing mother	9
B44	MLS	Mother and calf - mother eating salt	5
B45	MCU	Mother and calf eating salt	5
B46		Same as above	4
B47		Same as above	5
B48	LS	Several buffaloes on range - blue sky - few trees in BG	6
B49	CU	Heads of mother and calf eating salt - side view	2 $\frac{1}{2}$
B50	CU	Mother eating salt - turns head, calf comes into frame and eats	5
B51	MS	Buffalo eating salt - head to camera	4
B52	CU	Mother and calf at salt block	3
B53	LS	Mother and calf on range - blue sky	5
B54	MS	Mother and calf eating salt - up shot against sky	3
B55	MLS	Several buffaloes around salt block - few trees in BG - blue sky	10

COYOTE (All same location)

B56	CU	Coyote walks around in opening at edge of forest - pine boughs and log on ground - down shot (appears to be trapped)	5
B57	CU	Same as B56	3
B58	CU	Same as above - chews on pine bough	5
B59	CU	Same as above	3 $\frac{1}{2}$
B60	CU	Same as B56	5 $\frac{1}{2}$
B61	MCU	Same as above - coyote plays with bough	6 $\frac{1}{2}$
B62	CU	Same as B56	3
B63	CU	Coyote walks around	6
B64	ECU	Head of coyote - moves around	6
B65	ECU	Same as B64	5
B66	ECU	Same as B64	4
B67	MS	Coyote moves around	9
B68	MS	Coyote - same as B67	3
B69	MS	Same as B67 - walks out of picture	4
B70	MS	Same as B67 - moves slightly - side view	7 $\frac{1}{2}$

DEER

B71	LS	Silhouette of deer in grove - backlighted	3 $\frac{1}{2}$
B72	LS	Same as B71 - deer looks scared	3
B73	LS	Three deer move across frame - blue lake in BG - limbs of trees frame picture	4
B74	LS	Mule deer walking in meadow, tail up	3 $\frac{1}{2}$
B75	LS	Same as B74	5 $\frac{1}{2}$

<u>Scene #</u>			<u>Ftg.</u>
B76	MS	Same deer as B75 - stands and looks around	3 $\frac{1}{2}$
B77	CU	Same deer as B75 - eating grass - raises head out of frame - side view	3
B78	CU	Same as B77 - looks away from camera	5
B79	LS	One deer silhouetted in grove - does not move	3
B80	LS	Two deer drinking from small lake in FG - range in BG	13 $\frac{1}{2}$
B81	MS	Five mule deer walk across frame - one turns and looks at camera - up shot against blue sky	3 $\frac{1}{2}$
B82	CU	Fawn twins - backs to camera - turn slightly - green BG with small trees	3
B83	CU	Fawn nibbles on leaves - another at side of frame	7 $\frac{1}{2}$
B84	CU	Same as B83	5 $\frac{1}{2}$
B85	CU	Same as B84 - fawn plays around	10
B86	CU	Same as above	7 $\frac{1}{2}$
B87	CU	Fawn raises head and looks around - another fawn in BG	5
B88	CU	Fawn - head up, looks around - side view	2
B89	MS	Buck deer in the velvet on range - walks to camera	2 $\frac{1}{2}$
B90	MS	Same as above - turns head	3
B91	MCU	Buck walks to camera, jumps back - another buck enters picture - they start fighting	7
B92	MCU	Spike buck (in the velvet) - side view, head to camera - aspen grove in BG	2 $\frac{1}{2}$
B93	CU	Male deer eating grass	2
B94	LS	Two deer on range - aspen trees in BG	2
B95	LS	Same as above (three deer)	4
B96	MCU	Spike buck grazing	3 $\frac{1}{2}$
B97	MS	Spike buck walks across frame - right to left - aspen grove in BG	3 $\frac{1}{2}$
B98	MS	Four deer in aspen grove eating grass - they appear to be frightened	4 $\frac{1}{2}$
B99	MS	Same as above	4
B100	MS	Same as above	4
B101	CU	Deer - side view - looking at camera - starts to graze	2 $\frac{1}{2}$
B102	LS	Two fawns in aspen grove	3
B103	LS	Two fawns in aspen grove eating grass - side view	6
B104	MCU	Spike buck in aspen grove	3
B105	MCU	Two deer in aspen grove	2 $\frac{1}{2}$
B106	ECU	Head of fawn - front view	3
B107	ECU	Same as above - side view	2
B108	MS	Deer on range - walks across frame - stops and looks at camera	7
B109	LS	Deer in picnic area - walks across frame to pond and drinks - couple of quick pans	18
B110	MS	Deer eating salt on range	5 $\frac{1}{2}$
B111		Same as above	4 $\frac{1}{2}$
B112		Same as above	4
B113		Same as above	2 $\frac{1}{2}$
B114	MLS	Two fawns in aspen grove	4

WILDLIFE

NATURE

<u>Scene #</u>			<u>Ftg.</u>
B115	MLS	Same as above	3
B115a		Same as above	5
B1226	LS	DEER-Herd of white-tailed deer walking in marsh. Dull autumn colored surroundings, pale sky	4
B1227	MS	DEER-Cont. of above. Scene pans from deer in brush to single deer walking in marsh	5
B1228	MS	DEER-Several animals running and leaping in short grass. Pan to one deer standing still facing camera. Trees in BG	7

DUCKS

B116	MS	Mallard ducks (two) swim in muddy water	2
B117	MS	Several mallard ducks swimming in blue water	6½
B118	MS	Two ducks swimming	6
B119	CU	Nest with six duck eggs	4
B120	LS	Duck and ducklings swimming in very blue water - action, right to left	5
B121	LS	Duck and ducklings swimming in lake - green grass in water and BG	4½
B122	LS	One duck swimming and fishing in blue shadowy water - down shot	9
B123	LS	Few ducks swimming and fishing in blue shadowy lake - black BG	13
B124	LS	Ducks swimming in a marshy lake - late evening shot	4
B125	ELS	Ducks (three or four) swimming in lake	2½
B126	LS	Same as above	2½
B127	MS	Ducks swimming (only a few)	10
B128	MS	Four ducks swimming in lake - down shot	9
B129	LS	Ducks swimming in lake - down shot - pan	7
B130	MS	Same as above	5
B131	MS	Same as above	2½
B132	MS	Same as above	3
B133	MS	Ducks feeding on lake - down shot	6
B134	MS	Mother duck and duckling, feeding on lake	5

WOOD DUCK

B213	MS	Wood duck perched on nesting tree - no movement	4½
B214	CU	Same as above	6
B215	CU	Same as above	3

EAGLE

B135	CU	Eagle, side view, against dark tree trunk	2½
B136	CU	Same as above - looks around - bird blends with tree	2
B137	CU	Same as B136	5
B138	CU	Same as B136	5

NATURE

WILDLIFE

<u>ELK</u>			<u>Ftg.</u>
<u>Scene #</u>			
B139	LS	Elk herd on winter range - bare mountains in BG, trees at base of mountain	4½
B140	MS	Elk herd on winter range - mountains in BG covered with snow	5
B141	CU	Three elk in FG - herd in extreme BG - snow covered area	1½
B142	MS	Elk herd huddles close together on winter range - snow on ground, dark brown mountains go almost straight up in BG	8
B143	CU	Elk - side rear view - grazing, walks away from camera - backlighted, slightly down shot	2½
B144	CU	Same elk as in B143 continues to walk across range	1½
B145	MLS	Elk continues to walk across range - walks out of frame	5
B146	CU	Elk grazing on range - side view	5
B147	CU	Elk head shot - grazing	4
B148	MS	Elk walks to camera	2½
B149	MS	Baby elk on ground - early spring	2½
B150	MS	Baby elk standing in shadow - turns head to camera, then lowers it	3
B151	MS	Same elk as in B150 - stands and looks around - could cut with B150	3

CANADA GEESE

B152	MCU	Canada geese in marshy lake (four) - mesh wire in BG against brown grass	6½
B153	MCU	Same as above	6
B154	CU	Head of duckling - faces camera	3

GROUSE

B155	MS	Ruffed grouse - head protruding from brush	4
B156	MS	Grouse walks around in opening in brush - tail has feathers missing - same grouse and location as above	4

LYNX

B158	MS	Lynx stretched out on limb of tree - backlighted against blue sky	4
B159	MLS	Lynx climbs to top of tree - blue sky	10
B160	MCU	Lynx in Scene B159 - looks down	4½
B161	MCU	Same as B160	4
B162	MCU	Same as B160	2
B163	MCU	Same as B160	2

<u>Scene #</u>		<u>Ftg.</u>
B164	MS Lynx (same as above) comes down tree	4
B165	MS Same as B164	6
B166	LS Same as above - backlighted - blue sky	4
B167	LS Same as above	4
B168	LS Same lynx climbs tree branches, stops and looks around - backlighted - blue sky	8

MOOSE

B169	LS Moose stands in small blue pond - trees and vegetation in BG	4
B170	MS Moose runs out of vegetation across frame - stops behind with only head showing - dark BG	2½
B171	LS Moose standing on slope - blue water in BG	3

OTTER

B172	MCU Otter swimming around in clear water - limb with leaves in water - down shot	2½
B173	MCU Three otters swimming in clear water - down shot	3
B174	MCU Two otters playing in clear water	5
B175	CU Three otters playing - diffused BG of leaves and limbs	5
B176	MCU Series of several shots of otters (two or three) playing in water - down shot	20

OWLS (Mesh wire in BG only partially visible)

B177	CU Two owls sitting on limb of tree	4
B178	CU Same as above - owls look around	5
B179	CU Same as above	4
B180	MS Same as above	7
B181	CU Same as above	2½

PHEASANTS

B182	MCU Young ringneck pheasant on nest - another nearby walks out of frame	4
B183	CU Ringneck pheasant walks across frame slowly - goes left to right	4
B184	CU Same as B183 - pheasant walks in the other direction	6

PRAIRIE CHICKENS

B185	CU Five young prairie chicks in nest - one runs out of picture	4
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QUAILFtg.Scene #

B186	MS	Quail in open field - down shot with back to camera - turns head	2
B187	CU	Down shot of quail walking in open field - runs out of picture	3

RACCOON

B188	MCU	Raccoon sitting in fork of large tree - blue sky	6
B189	CU	Same as B188	5½
B190	LS	Raccoon stands in tree	3
B191	LS	Raccoon sitting in fork of tree	6
B192	CU	Raccoon sitting in fork of tree gnawing on wood	3
B193	CU	Same as B192	4
B194	CU	Same as above - has mouth open but not chewing	7
B195	MS	Raccoon - series of several short scenes of coon sitting in tree chewing on wood	14
B196	MCU	Raccoon sitting in fork of tree - side view	4

RATTLESNAKE

B197	CU	Rattlesnake coiled - marked by rapid pulsation of tongue (diamondback)	7
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SEAGULL

A970	MS	SEAGULL on log	1½
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MOUNTAIN SHEEP

B198	MCU	Mountain sheep looking at camera, wiggles ears - green BG	3½
B199	MS	Mother and two lambs walk across frame - pan slightly as they walk - green grass and lower parts of trees in BG	6

SQUIRREL

B200	ELS	Squirrel sitting in moss-covered oak - blue sky - tree predominates in picture	5
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TURKEY

B201	CU	Turkey gobbler and hens walk from left to right across field, pan - fall scene	6
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<u>Scene #</u>			<u>Ftg.</u>
B202	MS	Turkey hen on nest in green grass - raises head	8
B203	MS	Same as B202	4
B204	MS	Same as B202	3
B205	MS	Turkey partially concealed in summertime foilage	2
B206	MS	Same as above	3
B207	MS	Flock of wild turkeys walking through fall foilage	1 $\frac{1}{2}$
B208	CU	Same as B207	7 $\frac{1}{2}$
B210	ECU	Strutting turkey faces camera, turns head, then again to camera	3
B211	ECU	Same as above	4

WEASEL

B212	MCU	Weasel partially out of burrow, comes all the way out and then out of picture - goes back into burrow and sticks out head	6
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PEOPLE & COMMUNITIES
Section IV

Bankers
Children
Churches
County Agents
Factories
Families
Farmers
Field Demonstration
Four-H
Home Economist
Ministers
Recreation
Schools
Soil Conservationist
Towns
Washington, D. C.

PEOPLE AND COMMUNITIES

BANKERS

Scene #Ftg.

A218	MS	BANKER AT DESK - Farmer approaches for hand shake and sits down to discuss a loan	12
A219	CU	BANKER AT DESK talking to farmer, shot over shoulder of farmer, discussing a loan	8
A220	MCU	BANKER AT DESK talking to farmer, over shoulder shot of banker, discussing a loan	12

CHILDREN

A256	MLS	BOY AND DOG walking down farm lane to camera and out - cattle and barn in BG	8
A257	CU	COLLIE DOG - Waist down shot of boy patting dog - dog runs out of picture	6
A929	CU	FOUR CHILDREN sitting in chairs - intent looks - boy scratches his ear	8
A930	MCU	GROUP OF CHILDREN sitting in chairs - parents in BG - no action	2
A931	MCU	GROUP OF CHILDREN - Same as above	2
A932	CU	GROUP OF CHILDREN - Similar to above - boy scratches his ear	8
A933	CU	LITTLE GIRL smiling - wears a red dress - other children in BG - sitting	3
A935	CU	FOUR CHILDREN sitting in chairs - intent looks - boy scratches his ear	8
A936	CU	LITTLE GIRL raises and lowers her hand to ask question - repeats action - other children in BG	9

CHURCHES

A887	MS	CHURCH - White Protestant country church - two men sitting on steps and cars parked in front	5
A888	MS	CHURCH - Similar to above - one man standing on steps and one sitting	16½
A889	MCU	CHURCH - Similar to Scene A887 - different angle - man sits in car and one walks around cars	17
A890	MCU	CHURCH - Similar to above - a third man appears	13
B1321	MS	COUNTRY CHURCH AND CEMETERY-Little white church framed by trees. Stone monument in sight FG. Blue sky	7½
B1322	CU	STEEPLE OF COUNTRY CHURCH with bell in tower. Almost bare tree branches in BG against blue sky	6½
B1323	MS	CHURCH-White frame church in small town. Trees almost bare. Late autumn. Street in extreme FG. Hazy sky.	3
C35	MS	CHURCH - Protestant, brick, with white belfry. Monument in left FG. Trees surround building. Blue sky with white clouds. Winter scenes	13

CHURCHES

PEOPLE AND COMMUNITIES

<u>Scene #</u>			<u>Ftg.</u>
C36	MCU	CHURCH - Protestant, Frame. Pan up to upper half of building. Mass of green trees in BG. Blue sky with white clouds.	7
C37	CU	CHURCH, side and front only, white shingle, tilt up to steeple. Tops of green trees in BG. Blue sky	8

COUNTY AGENTS

A244	MS	COUNTY AGENT'S OFFICE - Farmer sits down - pan shot around room to posters and literature for free distribution	13
A245	MS	COUNTY AGENT'S OFFICE - Pan around room to literature on table - county agent interviews farmer	14
A246	CU	COUNTY AGENT using telephone - head and shoulder shot - poster on wall in BG	7
A247	CU	COUNTY AGENT - Same as above	6
A796	MCU	COUNTY AGENT - Up shot showing portion of spray rig as county agent and helper climb up on sprayer - agent pours insecticide into tank	16
A797	CU	COUNTY AGENT - Head and shoulder shot against blue sky	8
A798	MCU	COUNTY AGENT distributes pamphlets to farmers - picks up spray chart and points to it - chart not clear	16
A799	MCU	Group of farmers county agent with a - County agent and helper demonstrate spray nozzles	18
A904	MCU	COUNTY AGENT posting a notice on bulletin board outside official-looking building - notice of grasshopper control meeting - side view	11
A905	MCU	COUNTY AGENT - Continuation of action above	3
A906	CU	BACK OF COUNTY AGENT posting notice - head and shoulder shot	3
A907	CU	NOTICE reading "Grasshopper control demonstration - May 3, 10:00 a.m. - M. O. Brown fram - See and learn how to kill grasshoppers"	3
A908	CU	COUNTY AGENT posting notice of grasshopper control meeting on bulletin board - side view	13

FATORIES

B1334	MS	FACTORY-Smokestacks, water tower against blue sky	9
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FAMILIES (IN HOMES)

A330	MS	KITCHEN - Young girl places bowl in refrigerator - removes tomatoes - pans to mother working	14
A331	MS	KITCHEN - Same as above	15
A332	MS	KITCHEN - Mother and daughter prepare lima beans for freezer	17
A333	MS	KITCHEN - Same as above	8
A334	CU	LIMA BEANS shaken from strainer into package for freezer - hand action	5
A335	CU	LIMA BEANS - Same as above	3

PEOPLE AND COMMUNITIES

FAMILIES

<u>Scene #</u>			<u>Ftg.</u>
A336	MS	FROZEN FOOD - Over shoulder shot of girl sealing food for freezer - woman is working at freezer in BG	3
A337	CU	FROZEN FOOD - Young girl sealing frozen food packages	8
A338	CU	FROZEN FOOD - Same as above	6
A340	CU	FROZEN FOOD - Same as above	6
A341	ECU	FROZEN FOOD packages being sealed - hand action - working on red table top	12
A342	MCU	FROZEN FOOD locker, looking down on packages	6
A343	CU	CANNING - Jar of canned red beets on table (In home)	2
A344	CU	CANNING - Jars of canned red beets inside pressure cooker - hand removes top - then removes one jar	9
A345	CU	CANNING - Same as above	6
A346	CU	CANNING - Head and shoulder shot of girl removing canned beets from cooler	7
A254	CU	DINNER TABLE - Farmer takes peas and carrots - passes dish - pan to rest of family as they put food on their plates	19
A255	CU	DINNER TABLE - Same as above	18
B1346	CU	DINNER TABLE-large farm family comes and seats themselves around set table. Father sits at head of table, several small children at foot	7½
B1347	CU	Cont. of above. Family picks up napkins as father begins to carve fowl	8½
B1348	CU	FARMER AND SON sit at dining table conversing. Mother clears table as they talk. Younger son brings in mail hands it to father	16½

FARMERS

A108	MCU	Farmer on tractor, stops - young boy hands up jar of water	10
A109	CU	FARMER - Head and shoulder shot - drinks water from fruit jar and shows appreciation	7
A909	CU	TWO MEN - Young and middle-aged man against blue sky - side view	6
A910	CU	FARMER wearing straw hat - forehead in shadow - smiling - against blue sky	2
A911	CU	TWO FARMERS talking - head and shoulder shot against blue sky	7
A912	CU	MAN in plaid shirt leaning against fence - face in shadow squinting against sun - blue sky and white clouds in BG	4
A913	CU	TWO FARMERS wearing straw hats - standing beside fence - faces in shadow	6
A914	CU	FARMER wearing straw hat and sun glasses - lights cigarette - blue sky and trees in BG	8
A915	CU	YOUNG FARMER leaning against fence post	5

FARMERS

PEOPLE AND COMMUNITIES

<u>Scene #</u>			<u>Ftg.</u>
A916	CU	FACE OF FARMER - Pleasant type - wears denim cap - pencil behind ear - looking down	1
A917	CU	FACE OF YOUNG MAN - Pleasant type - wears red cap - looking down	$\frac{1}{2}$
A918	CU	FACE OF FARMER - Friendly type - wears denim cap with the bill pushed back	1
A919	CU	FARMER eating in kitchen - looks up and begins talking - woman walks behind him	7
A920	CU	FARMER - Same as A919 - no talking	$6\frac{1}{2}$
A921	CU	FACE OF MAN - Pleasant-looking - cigarette in mouth - side view	$1\frac{1}{2}$
A922	CU	FACE OF FARMER wearing straw hat and glasses - side view	$1\frac{1}{2}$
A923	MCU	TWO MEN - Old and middle-aged man sit on steps reading newspaper and talking - shrubbery at side	11
A924	MCU	MAN sitting on stair railing - talks to old man reading a newspaper (exterior)	19
A925	CU	OLD MAN - Head on hand, asleep in a car (sitting position)	7
A945	MCU	FARMER gets out of pick-up truck - walks toward camera - side view	4
A946	CU	SALESMAN points to shelf of insecticides - farmer stands next to him	4
A947	CU	FARMER greets salesman, who points out shelf of insecticides	18
A948	CU	FARMER AND SALESMAN talking - salesman points out shelf of insecticides	10
A926	MCU	THREE MEN AND A YOUNG COUPLE sitting in church pews (looking at camera)	4
A927	CU	MAN - Long face - head and shoulder shot - dark BG	1
A928	CU	MAN - Round face - pan to young couple - head and shoulder shot - dark BG	5
A943	MCU	FARMER getting out of pick-up truck - pan with him as he goes into hardware store	9
B978	CU	FARMER. Facial shot as he speaks to camera	11
B981	MS	FARMER stands with foot on running board of truck talking to soil surveyor. Barn in BG	7
B982	MS	FARMER watches truck in B980 drive away. Camera follows truck down drive, holds on drive entrance. White board fence in BG	$8\frac{1}{2}$
B1057	MCU	FOUR FARMERS stand around tractor talking. All look to right as if someone were approaching. Farm building in BG. No horizon.	10
B1058	MCU	Similar to above	4
B1059	CU	THREE FARMERS around tractor talk together. No horizon	11
B1060	CU	Same as above	18
B1337	ECU	FACIAL OF FARMER as he speaks with serious expression to camera. Shot against corn bin	6
B1338	CU	FARMER-head and shoulder shot as farmer checks sharpness of scyth, tilts head to one side looking to right of camera	7

<u>Scene #</u>			<u>Ftg.</u>
B1336	MCU	FARMERS-Group of five farmers conversing in store. Men wear lumber jackets and hats	7 $\frac{1}{2}$
B1339	ECU	FARMER-Facial of farmer conversing in store. Talks with toothpick, in mouth, removes pick and continues to talk seriously	15
B1340	MCU	Farmers and wives sit at meeting, appear to be listening intently. All face slightly to right	8
B1341	MCU	FARMERS conversing in grocery store. Two business men in group. All men wear heavy outdoor clothing	5
B1342	MCU	FARMERS conversing in grocery store. Same as B1341	8
B1343	MCU	Cont. of above. Businessman leans forward to speak	10
B1344	MCU	Same group as above. Grocer has joined group, speaks earnestly to men	6 $\frac{1}{2}$
B1345	MCU	Similar to above	6
B848	MS	FARMER in coveralls sharpening axe. Machine shop interior with gray BG	5
B849	MS	SAME as above	8
B850	CU	FARMER in coveralls operating welder on farm equipment. Machine shop interior	16
B851	CU	FARMER in above scene uses welder, stops and pushes back cap, looks to right of camera	
B852	CU	FARMER pounds with hammer in shop interior. Man wears sweater and cap. Storage shelves in BG	11
B853	CU	FARMER working on piece of doweling in vice. Interior shot. Farmer wears blue plaid shirt	9
B854	CU	FARMER in white overalls pounds with hammer on object which cannot be identified. Man reaches into pocket	4 $\frac{1}{2}$
B854a	CU	Same as above	8 $\frac{1}{2}$
B855	CU	FARMER working on tractor in machine shop looks up and speaks to camera. BG is dark	5
B856	CU	Similar to above	6
B857	ECU	WORKMAN-Face of man as he speaks to camera, grins	6
B858	CU	YOUNG BOY (About 16)-Facial of boy as he works on engine, looks up to camera, speaks and grins happily. Interior shot	11
B858a	CU	Same boy as he continues to work with pliers. Good view of hands at work	5
B859	CU	FARMER working on machine, talks and smiles, can see dirty hands as he works. Interior shot with dark BG	10
B860	CU	MAN'S FACE AND HANDS as he tightens bolts. Man pulls very hard on a piece of machine that comes loose, man grins. Machine shop interior	8
B861	CU	WORKMAN with glasses tightens bolts on large wheel. Dark BG	7
B862	CU	FACE of workman in Scene B861 as he works at wheel	7
A252	CU	FARMER RINGING HAND CRANK on telephone - talks	5
A253	CU	FARMER TALKING on wall-type telephone - he hangs up and goes away (continuation of Scene A252)	10

FARMERS

PEOPLE AND COMMUNITIES

<u>Scene #</u>			<u>Ftg.</u>
A347	CU	Old man and woman hulling lima beans - waist up shot in chairs on front porch	12
A347a	CU	LIMA BEANS being hulled - elderly man's hands	7
A162	MS	TWO MEN against sky - waist up shot - walking	5
A163	MS	TWO MEN against sky - same as above	6
516	MLS	MAN (OKIE TYPE) loading furniture	15
517	MLS	Similar to Scene 516	15
518	MLS	Similar to Scene 516	13
519	CU	FACE (OKIE TYPE)	10
491	MS	MAN (OKIE TYPE) - Placing baby carriage in car	14
492	CU	HEAD OF MAN (OKIE TYPE) as he turns	9
493	CU	HEAD OF MAN (OKIE TYPE) - Same as above	9
325	LS	FARMER ON HORSE - Sheep grazing in distance	13
468	LS	FARMER ON HORSEBACK rides up, looks over area	17
1067	MS	FARMER ON HORSEBACK - Scenic shot, upshot against blue sky	7

FIELD DEMONSTRATIONS

A60	LS	FIELD DEMONSTRATION - Pan across field and test plot - large group near road, their backs to camera	5
A61	LS	FIELD DEMONSTRATION - Pan across field and test plots to farm group with backs to camera going through large gate	6
A62	LS	FIELD DEMONSTRATION - Pan across road and field to test plots and to farm group	5
A63	MS	FIELD DEMONSTRATION - Group with backs to camera walking up road	5
A64	LS	FIELD DEMONSTRATION - Group walks around to test plot area	11
A65	LS	FIELD DEMONSTRATION - Pan field test plot area - pans alfalfa and corn (no people)	12
A66	LS	FIELD DEMONSTRATION - Group in test plot area - alfalfa in fg, corn in bg	8
A67	MS	FIELD DEMONSTRATION - Group at test plot, white fence diagonally across frame	6
A68	LS	FIELD DEMONSTRATION - Test plots, no people	5
A69	CU	FIELD DEMONSTRATION - Small farm group stoops and looks at grass	4
A70	LS	FIELD DEMONSTRATION - Large group at test plot, a few men stooping down	8
A71	LS	FIELD DEMONSTRATION - Group at test plot - group walks across picture in BG to plots	4
A72	MCU	FIELD DEMONSTRATION - Small group against sky	4
A73	MS	FIELD DEMONSTRATION - Large group walking along cornfield in test plot - walks toward camera and turns	8
A74	MLS	FIELD DEMONSTRATION - Small group in test plot area - one man explains test	6
A75	CU	FIELD DEMONSTRATION - Full screen shot of alfalfa - tilts up to group at test plot	9

PEOPLE AND COMMUNITIES

FIELD DEMONSTRATIONS

<u>Scene #</u>			<u>Ftg.</u>
A76	LS	FIELD DEMONSTRATION - Group in test plot area - tilts down to full screen shot of white clover	9
4-H CLUBS			
A370	MS	4-H GIRLS entering canned fruit and vegetables at registration desk for fair entry	5
A371	CU	4-H GIRLS at registration desk for fair entry of canned fruit and vegetables	15
A372	CU	4-H GIRLS holding canned fruit and vegetables for fair entry - girl in FG wearing a 4-H T-shirt	10
A373	CU	4-H - Canned beets on table being registered for fair entry - hand action	11
A374	MS	4-H - Girl and lady observe canned fruit and vege- tables at fair display - pick up jar with blue ribbon and admire - backs to camera	8
A375	CU	4-H - Shoulder shot of lady and girl expressing joy as they admire jar of fruit with blue ribbon - girl picks up jar	8
A376	ECU	4-H - Blue, red and white ribbons on jars of canned fruit, Prince William Co. 1951	8
A377	ECU	4-H - Blue ribbon on canned fruit held by hand - Prince William Co. 1951	6
A378	LS	4-H SEWING CLASS for young girls - several operating machines - one ironing - some measuring and cutting out patterns	17
A379	CU	4-H SEWING CLASS - Young girl operating machine - two girls measuring a pattern in BG	5
A380	CU	4-H SEWING CLASS - Same as above	7
A381	MS	4-H FAIR ENTRY - Hereford held by two boys grooming for fair entry	9
A382	MCU	4-H FAIR ENTRY - Two boys against sky grooming Hereford for fair entry	3
A383	LS	4-H FAIR ENTRY - Boys and girls with calves being judged - angle from grandstand	4
A384	CU	4-H PLAQUE - "Recognition for Meritorious Service of 4-H" - held in hand	6
A385	MLS	4-H boys and girls walking Holstein bulls for judging at fair - shot from grandstand	12
A386	CU	4-H boys in a line with calves being judged	8
A387	CU	4-H - Same as above - one boy with blue ribbon	10
A388	CU	4-H - Boy receives blue ribbon for calf - two boys and girl in BG	8
A389	CU	4-H - Same as above 5	5
A390	MCU	4-H boys looking over farm machinery, rear of manure spreader - demonstrator rotates blades	11
A391	MS	4-H - Same as above	15
A392	MCU	4-H boys watching demonstration of manure spreader - demonstrator hands out literature	13
A393	MS	4-H - Group of boys in classroom	8
A394	MS	4-H - Classroom, boy at desk	7

4-H CLUBS

PEOPLE AND COMMUNITIES

<u>Scene #</u>			<u>Ftg.</u>
A395	CU	4-H - Classroom, head and shoulder shot of boy - others in BG	13
A396	MS	4-H - Classroom - instructor lecturing group using cattle instruction posters	5
A397	CU	4-H - Classroom - instructor in Future Farmers of America class - head and shoulder shot	7
A398	CU	4-H - Classroom - young student with farm emblem on jacket - waist up shot	7
A399	ECU	4-H EMBLEM on door	8

HOME ECONOMIST

A241	MS	HOME ECONOMIST demonstrates foods, picks up vitamin chart as she lectures - women seated around living room	19
A242	MCU	HOME ECONOMIST showing foods as above	4
A243	MS	HOME ECONOMIST discussing foods and their value - picks up chart	9

MINISTERS

A877	MCU	MINISTER at pulpit addressing group of children in FG - minister wearing business suit - Bible on pulpit	20
A878	MCU	MINISTER - Same as A877	16
A879	MCU	MINISTER - Same as A877	19
A880	CU	MINISTER talking and gesturing with his hands - Bible shown	22
A881	CU	MINISTER talking - head and shoulder shot	44
A882	CU	MINISTER - Same as above - closer	13
A883	CU	MINISTER - Same as above	13
A884	CU	MINISTER - Same as above	16
A885	CU	MINISTER - Same as above	2
A886	CU	MINISTER - Same as above	6
A891	MCU	CHILDREN sit listening to minister - side view of minister and Bible - parents talk in BG	5
A892	MCU	CHILDREN - Same as above	3

RECREATION

546	MS	BOYS PLAYING BASEBALL on grassy plot - shot through wire mesh backstop	3
547	MS	Similar to Scene 546	5
B1315	MCU	CANOEING-Man and woman in swim suits paddle canoe to and past camera from right. Little blond girl sits in middle. Trees, blue sky in BG	7
B1316	CU	CANOEING-Same as B1315	4
B1317	MCU	CANOEING-Similar to B1316. Canoe comes diagonally to ECU of boy of green canoe as it glides past camera	6
A177	LS	FISHING - Young boy and old man approach stream, to camera - collie dog and duck follow - man sits down - in BG cattle in pasture and barn	12

<u>Scene #</u>			<u>Ftg.</u>
A178	MCU	FISHING - Waist down shot as old man and boy with poles approach bank - boy sits down - backs to camera	6
A179	MS	FISHING - Old man and boy walk into frame and sit on stream bank	6
A180	MS	FISHING - Old man and boy sitting on bank - man's arm around dog - dog runs out of frame	6
A181	MS	FISHING - Young boy with crew haircut, waist up shot - pulls up line with expression of joy on face	3½
A182	CU	FISHING - Old man - head and shoulder shot - as he fishes and pulls up line, expresses joy	8
A183	CU	FISHING - Same as above (best expression)	9
A184	CU	FISHING - Same as above	7
A185	CU	FISHING - Collie dog sitting beside old man (shoulders only can be seen) - camera pans with movement of dog	8
A186	LS	FISHING - Young boy and old man with fishing poles leaving through barn gate - dog follows - barn in BG	8
A187	LS	FISHING - Same as above	9
B946	MS	FISHING-Man fishing with fly rod. Pretty woodlot in BG	14
B947	LS	FISHING-Same man fishing at edge of farm pond. Children swimming and playing around pier in BG. Trees in BG	19
A169	MS	SWIMMING POOL - Children swimming - boy jumps in, swims to edge of pool	8
A170	MLS	SWIMMING POOL - Children swimming - boy gets out of pool	5
A171	CU	SWIMMING POOL - Girl holds nose and ducks several times	9
A172	MLS	SWIMMING POOL - Boy jumps in feet first - pans as he swims	7½
A173	MS	SWIMMING POOL - Pan shot of boy swimming CU to camera	6
A174	MS	SWIMMING POOL - CU of wet back of young boy - he runs to pool, jumps in and gets out - children in pool	11
A175	LS	SWIMMING POOL - Pan to pool filled with kids	10½
A176	MS	SWIMMING POOL - Pan as boy swims to CU	10
B948	MS	SWIMMING-Woman sitting on pier in pond watching children swim. Young girl joins her. Small girl about 9 climbs out of water onto pier then jumps into water. No horizon	11½
B949	MS	SWIMMING-Two young girls about 11 swimming in water swim to camera to CU of their faces	9
B1313	MS	SWIMMING-Man does jackknife dive off high board. Tilts down as man hits water and surfaces. People stand at pool's edge in BG. Blue sky	6½
B1318	CU	SWIMMING-Naked baby in red inner tube supported by man kicks and splashes in water. Baby grins and blinks. Down shot	15
B1319	CU	SWIMMING-Similar to above. Slightly different angle	4½
B1320	CU	SWIMMING-Same as B1319	6½

SCHOOLS

PEOPLE AND COMMUNITIES

Scene #Ftg.

A276	LS	SCHOOL BUS comes to CU into frame - stops - children board bus and it leaves - father of children crosses road to mailbox	23
A277	LS	SCHOOL BUS - Same as above	14
A369	MLS	SCHOOL BUILDING - Red brick	5

SOIL CONSERVATIONIST

B959	MS	SOIL CONSERVATIONIST sits at desk, speaks to camera. Rises, picks up gear, leaves scene. Map on wall behind desk	12
B962	CU	SOIL CONSERVATIONIST AND FARMER. Facial shot as conservationist points toward camera. Farmer leans on shovel handle	10
B963	MS	SOIL CONSERVATIONIST AND FARMER walk up hillside pasture carrying soil auger and shovel	11
B964	CU	SOIL CONSERVATIONIST AND FARMER stand in grain field talking, examine grain stalk. Overcast sky	11
B965	CU	SOIL CONSERVATIONIST AND FARMER squatting on heels in green field. Conservationist consults paper document	16
B966	CU	SOIL CONSERVATIONIST AND FARMER examine green grain heads. Waving grain in FG. Up shot	16
B967	LS	SOIL CONSERVATIONIST AND FARMER walk up hill to camera	14
B968	MS	SOIL CONSERVATIONIST AND FARMER stand on hill. Conservationist points out over field. Overcast sky	6
B969	CU	SOIL CONSERVATIONIST AND FARMER face camera. Conservationist points to camera. Farmer leans on handle	10
B970	CU	Similar to B969	7
B974	CU	SOIL CONSERVATIONIST Facial as man looks through hand level. Lowers instrument, turns to left and speaks	8
B987	MS	SOIL CONSERVATIONIST and farmer meet in farmyard, shake hands, and start out of picture. Windmill in BG	9
B988	LS	SOIL CONSERVATIONIST AND FARMER walk past barn. Farmer picks up shovel, opens gate. Men go thru gate which swings shut after them	18
B989	MS	SOIL CONSERVATIONIST AND FARMER go thru gate. Farmer closes gate and the two start off into field. Barn in BG	14
B990	CU	SOIL CONSERVATIONIST AND FARMER shake hands. With backs to camera they start towards fence in BG, swing to left	8
B991	MS	SOIL CONSERVATIONIST AND FARMER talk together in farmyard. Farmer goes to barn, picks up shovel	6½
B992	MS	SOIL CONSERVATIONIST AND FARMER talk in farmyard. Farmer picks up shovel. They walk to fence and look over land	17
B993	MS	Same as Scene B992	17
B994	MS	Similar to	27

PEOPLE AND COMMUNITIES

SOIL
CONSERVATIONIST

<u>Scene #</u>			<u>Ftg.</u>
B995	MS	SOIL CONSERVATIONIST stripe soil from auger, crumbles it in hand and shows it to farmer. Sticks auger into ground and begins to take hand level from pocket	18
B996	MS	SOIL CONSERVATIONIST AND FARMER squatting in field examining records. They rise, surveyor picks up auger and the two walk to camera. Eroded grass-land in BG	13
B997	MS	SIMILAR to above	13
B998	CU	SOIL CONSERVATIONIST examines soil from auger. Removes hand level from pocket, shows it to farmer and puts instrument to his eye	20
B999	CU	Similar to above	11 $\frac{1}{2}$
B1000	CU	Cont. of above. Soil conservationist lowers hand level and points to field. Puts level into pocket. Farmer leans on shovel handle	5
B1001	MS	SOIL CONSERVATIONIST AND FARMER walk down edge of field. Conservationist carries auger, farmer carries shovel. Men go away from camera	13
A160	DV	CONSERVATIONIST AND FARMER walking in field	15
A161	MS	Same as above - men approach camera and out	11
A168	CU	SOIL CONSERVATIONIST AND FARMER walking away from camera through gate - contour farming in BG	12
TOWNS			
183	AV	CITY - Elkader, Iowa, and river	7
184	AV	CITY - Same as above	6
828	LS	VILLAGE - Aerial view of a New England village	8
829	LS	VILLAGE - Similar to Scene 828 showing surrounding area	6
879	LS	VILLAGE - Scenic shots of New England village from Sugar Loaf Mountain near Deerfield, Mass.	13
946	LS	VILLAGE - Scenic shot of New England village from Sugar Loaf Mountain near Deerfield, Mass.	10
840	LS	TOWN - Aerial view of New England town and surrounding area	7
841	LS	TOWN - AV of New England town	3
943	LS	FISHING BOATS in Cape Cod harbor - scenic shot	4
944	LS	CAPE COD, Mass. - AV	6
945	LS	CAPE COD - Another portion from the air	5
966	LS	STATE CAPITOL BUILDING AT Boston, Mass.	9
967	CU	STATE CAPITOL DOME, Massachusetts	3
971	LS	BRIDGE AND WATERFALLS, AV, with Massachusetts town in background	8
334	MS	NEW YORK SKYLINE - Blue sky, tilts down from LS to MS skyline - ends tilt on MS old buildings	9
348		NEW YORK SKYSCRAPER - Tilts from sky to city street scene	9

TOWNS

PEOPLE AND COMMUNITIES

<u>Scene #</u>			<u>Ftg.</u>
A233	LS	NEW YORK SKYLINE - Pan shot under bridge - cold foggy early morning effect	9
A234	LS	NEW YORK SKYLINE as seen under bridge - Tug boats and barges move underneath	7
579		Skyscrapers slow tilt down, to tenement houses - New York	21
580		Similar to Scene 579	9
581		Similar to Scene 579 - to street scene	16
582		SKYSCRAPERS - Tilt down past skyscrapers to street scene	16
B1441	MS	UN BUILDING-Tilts up side of UN building from three people with backs to camera leaning against rail looking at building	11
B1442	MS	UN BUILDING-Pan from head and shoulder profile of three young men to up shot of UN building. Blue sky	7 $\frac{1}{2}$
A979	MS	COUNTY COURTHOUSE - Farmers enter county courthouse for meeting - trees border frame	4
A980	MS	COUNTY COURTHOUSE - Continuation of action above	8
A981	CU	COUNTY COURTHOUSE - Farmers enter county courthouse for meeting - trees border frame	4
A982	CU	COUNTY COURTHOUSE - Continuation of action above	3
B1048	MS	COUNTY COURTHOUSE-Front view of gray stone building. City intersection in FG. Cars and bus pass camera	14
B1049	MS	Same as above except policeman directs traffic	12
A212	LS	STREET SCENE - Group of men walking, noticing co-op agency, sign denoting DeLaval milking machine agency	10
A213	LS	STREET SCENE - Same as above	13
A214	LS	STREET SCENE - Farmer walks down street, enters bank	5
A215	LS	STREET SCENE - Same as above	4
A216	LS	STREET SCENE - Same as above	7
A217	LS	STREET SCENE - Main street of small town showing bank	13
B1045	CU	CITY STREET SCENE. Pans from CU of car to LS of small town street. Cars wait at intersection to make turn. Cars in extreme FG pass in front of camera. Pedestrians cross street	14
B1046	MLS	CITY STREET-Same street as above. Cars pass in extreme FG. Pedestrians cross street from left to right	5 $\frac{1}{2}$
B1047	LS	CITY STREET-Same as above shot from different angle Cars wait for light, move thru intersection as it changes	14
B1427	MS	STREET SCENE-City street with trolleys, buses and cars. Pedestrians walk in front of camera	10
B1428	MS	STREET SCENE-Large city intersections. Pedestrians cross street. Cars move thru intersection. Lamp post in FG	6
B1050	MCU	HARDWARE STORE INTERIOR. Carpenters tools on pegboard behind counter. Top of counter in extreme FG. No action	12

<u>Scene #</u>			<u>Ftg.</u>
B1051	MCU	HARDWARE STORE INTERIOR. Work gloves display on counter. Man in outdoor clothing walks between camera and counter to door marked office. Man opens door and looks inside	9
B1052	MCU	Same as Scene B1051	8
B1053	MCU	Same as Scene B1051	8
B1241	CU	SUPER MARKET-Shopper selects sweet potatoes from vegetable counter. Cabbages also piled on counter. Dollies in to ECU of sweet potatoes	10½
B1335	MCU	GROCERY STORE-Grocer talks and laughs with two housewives standing at counter with backs to camera	11
B1069	MCU	NEWSPAPER. Front page of paper in library filing book. Headline reads "Iowa Flood Loss in Millions." Man's hands turns to another section, bring in loose photographs of flood scenes, holds each to camera	33
B1329	CU	PRINTING PRESS printing newspapers	4½
B1330	CU	PRINTING PRESS as papers come off machine. Man scoops up armload of newspapers	3½
B1331	CU	PRINTING PRESS tilts down from rollers to papers coming off press. Man's hands take out armload of papers. Front view	7½
B1332	CU	PRINTING-Pans from sheets of newsprint on rollers down to completed papers coming off press	10
B1333	CU	Same as above	7

WASHINGTON, D. C.

1022	LS	U. S. CAPITOL DOME, Washington, D. C., fall with clouds behind the statue, looking from the WNW angle	6
1023	LS	U. S. CAPITOL DOME - Similar to Scene 1022	9
1024	LS	U. S. CAPITOL DOME - Similar to Scene 1022	8
1025	LS	U. S. CAPITOL DOME viewed from the WSW	12
814	CU	Three unopened cherry blossom buds	5
815	MCU	Same three buds	7
816		Up shot of cherry blossoms against sky	11
818		Up shot of cherry blossoms filling frame	18
819		Up shot of cherry blossoms against sky	9
824	CU	Cluster of cherry blossoms against sky	14
B828	LS	CHERRY BLOSSOMS around Tidal Basin. Washington Monument in BG	10
B829	CU	CHERRY BLOSSOMS - Branch of blossoms against blue sky	9
820	LS	Jefferson Memorial and cherry blossoms, people walking along Tidal Basin	9
821		Similar to Scene 820	11
822		Similar to Scene 820	15
817	LS	Across Tidal Basin - Washington Monument in background - blooming Japanese cherry trees in right foreground	9
823	MLS	People walking along Tidal Basin among blooming cherry trees - Washington Monument in distance	8

<u>Scene #</u>			<u>Ftg.</u>
B827	LS	JEFFERSON MEMORIAL-shot across Tidal Basin. Picture framed with branch of cherry blossoms	9
B830	MS	WHITE HOUSE EGG ROLLING - Little girls roll eggs on White House lawns. Action towards camera. White House in BG	9
B831	MS	WHITE HOUSE EGG ROLLING - Mother straightens little girl's dress, scene pans to front of White House. Crowd in front of building	8
B832	CU	WHITE HOUSE EGG ROLLING - South portico of building. Scene pans over Easter crowd to two girls (age 5 or 6) sitting on lawns with baskets	9
B833	CU	WHITE HOUSE EGG ROLLING - Little girl about 3 joins girls, refuses a piece of candy, leaves scene	9
B834	CU	WHITE HOUSE EGG ROLLING - Little girls in above scene on White House lawn. Littlest girl places candy in basket, dusts off her white gloves	6
B835	CU	WHITE HOUSE EGG ROLLING - Same girls on lawn. One leaves scene. Littlest girl turns around as boy enters scene and touches her shoulder	
B836	CU	WHITE HOUSE EGG ROLLING - Three Easter baskets filled with multicolor eggs sitting on lawn	3
B837	ECU	EASTER EGGS - Chocolate Easter egg surrounded by other smaller Easter eggs	3
B825	MS	WASHINGTON MONUMENT-In BG as girl in above scene examines branch of magnolia blossoms	
B826	CU	JAPANESE STONE LANTERN-on Tidal Basin shot against cherry tree in bloom. Jefferson Memorial in BG	8
A223	LS	USDA BUILDING shot from Washington Monument	5
A355	MLS	USDA ADMINISTRATION BUILDING - Entrance - tilt down from top of building to entrance, people walking in and out	10
A356	MLS	Same as above	5
A357	MS	USDA ADMINISTRATION BUILDING - Front - men walking in and out	9
A1133	LS	U. S. DEPARTMENT OF AGRICULTURE - Shot from the Washington Monument - shows both South Building and Administration Building	8
A1134	LS	U. S. DEPARTMENT OF AGRICULTURE - Same as A1133	8
A1135	LS	U. S. DEPARTMENT OF AGRICULTURE - Same as A1133	10
A1136	MLS	U. S. DEPARTMENT OF AGRICULTURE - Shot from the Washington Monument - shows all of the Administration Building and a part of the South Building	11
A1137	MLS	U. S. DEPARTMENT OF AGRICULTURE - Shot from the Washington Monument - shows South Building and part of the Administration Building	10
A1138	MS	U. S. DEPARTMENT OF AGRICULTURE - Same as A1137	9
B1324	LS	USDA building shot from Washington Monument	4 $\frac{1}{2}$

PROCESSING, MARKETING & TRANSPORTATION
Section V

BEEF

Marketing
Stockyards
Retail
Processing
Transportation

DAIRY PRODUCTS

Processing
Transportation

GRAIN

Transportation

SHEEP

Transportation

VEGETABLES

Marketing
Retail
Wholesale
Processing
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MARKETING - STOCKYARDSFtg.Scene #

B1310	MS	HEREFORDS - Stockyard. Cattle crowd into pen toward camera. Man stands with back to camera on board fence looking at cattle in pens in BG. No horizon	6
755	MS	HEREFORD CATTLE in loading pens - preparing to load in cattle cars on RR siding	17
B1305	MS	HEREFORDS - Large number of white-faced cattle feed at long trough in yard. White grain elevator and trees in BG. Blue sky	10
B1306	MCU	HEREFORDS - Front view of above. Elevator and buildings in BG. Cattle shove each other with heads	11
401	MS	CATTLE in stockyard pen - comes toward camera - Baltimore, Md.	6
402	MS	CATTLE in stockyard pen - backs to camera - shows men in LS also	6
403	LS	CATTLE entering weighing station at the stockyard in Baltimore, Md. (small group)	3
509	MS	COWS in stockyard pen - Baltimore	8
510	MS	COWS - Same as above	2
586	MLS	CATTLE PENS - Mountains in BG	4
1119	MS	STOCKYARD SCENE - San Antonio, Texas, cattle being moved through alleys into pens	10
1121	MS	CATTLE LEAVING PEN, moving into alley ways	7
1122	LS	CATTLE IN PEN - Outdoor shaded pen at stockyard - rail fences in background	3
1125	MS	CATTLE ENTERING ALLEY WAY from distant end - camera location in alley, fence visible down both sides for frame	5
364	CU	CATTLE IN CROWDED STOCKYARD - Chicago	6
365	CU	CATTLE - Same as above - shows backs	8
366	MS	CATTLE IN CROWDED STOCKYARD - Chicago	11
367	MS	CATTLE IN CROWDED STOCKYARD - Same as above	9
368	MS	CATTLE IN CROWDED STOCKYARD - Same as above, looking down	10
369	MS	CATTLE IN CROWDED STOCKYARD - Same as above	10
1120	MS	INSPECTING CATTLE - Man in cattle pen inspecting cattle before purchase	9
1124	MS	MAN CHECKING CATTLE in chute for ticks before importation into the U. S. from Mexico	7
1135	LS	INSPECTING CATTLE for ticks in chute before entering country	3
1136	LS	INSPECTING CATTLE - Similar to Scene 1135	3
1128	MS	CATTLE JUMPING INTO DIPPING VAT - Camera above and along side of vat	5
1129	CU	CATTLE moving through dipping vat	5
1130	MS	CATTLE jumping into dipping vat - camera angle from ramp end through the vat	13
1131	CU	WET CATTLE moving into drying pens	7
1132	MS	DIPPING VAT - Downshot into vat as cattle pass by	6

BEEF

PROCESSING, MARKETING AND TRANSPORTATION

<u>Scene #</u>			<u>Ftg.</u>
1138	LS	CATTLE JUMPING INTO DIPPING VAT and passing through - camera alongside of trough	5
1139	LS	CATTLE JUMPING INTO DIPPING VAT - Similar to Scene 1138, but shot from a higher angle	10
1140	MS	DIPPING VAT - Downshot into vat as cattle pass by	15
1141	MS	DRYING PEN - Looking into pen from ramp out of dipping vat	3
1142	MS	DRYING PEN - cattle coming into it from ramp	4
1143	MS	DRYING PEN - Similar to Scene 1142	8
1144	CU	DIPPING VAT - Downshot into vat. Cattle pass through	7
1145	CU	DIPPING VAT - Similar to Scene 1144	8
1146	MS	DIPPING OPERATION - Camera alongside vat - shows dipping operation with cattle passing through dipping vat	6

MARKETING - RETAIL

756	CU	PORTERHOUSE STEAKS - Rows of beautiful steaks in store display - hand removes middle one	4
757		PORTERHOUSE STEAKS - Similar to Scene 756 - hand points to fat	9
758		PORTERHOUSE STEAKS - Similar to Scene 757	7

PROCESSING

B1303	MS	MEAT INSPECTION - White-coated inspector examines dressed beef carcasses in packing plant. Interior shot	3 $\frac{1}{2}$
B1304	MS	MEAT INSPECTION - Dressed beef carcasses hanging in plant at extreme right edge of frame. White-coated men carry out meat	15

TRANSPORTATION

529	MS	CATTLE TRUCK ON highway	3
530	MLS	CATTLE TRUCK, and red pick-up truck on highway	4
531	MLS	CATTLE TRUCK AND CAR going down highway	7
532	MS	CATTLE TRUCK, large, going down highway	5
533	MLS	CATTLE TRUCK, stake body, and car going on highway	5
534	MLS	TWO LARGE CATTLE TRUCKS going on highway	8
536	MLS	CATTLE TRUCK, large, going on highway	5
537	MLS	CATTLE TRUCK, large, red, going on highway	6
538	MLS	CATTLE TRUCK, large, going down highway	5
1126	MS	CATTLE BEING LOADED INTO TRUCK - Down shot into truck area	3
1127	MS	CATTLE MOVING INTO EMPTY TRUCK - shot from rear of truck showing whole inside area - different truck than that of Scene 1126	8
759	MS	LOADING CATTLE - Cowboys loading cattle from pens into RR cattle car - camera is hand held	5
760		LOADING CATTLE - Similar to Scene 759	6

PROCESSING, MARKETING AND TRANSPORTATION

DAIRY
PRODUCTSPROCESSINGFtg.Scene #

A313	MS	DAIRY - Milk bottling machine as bottles are filled	5
A314	MCU	DAIRY - Milk bottle capping machine - bottling machine in BG	8
A317	MCU	DAIRY - Milk bottling machine and capping machine in action	2
A318	MLS	DAIRY plant showing pasteurizing tanks	16
A319	MCU	DAIRY - Down shot of bottled milk in cases on conveyer through hole in wall for refrigerated storage	3

TRANSPORTATION

508	MS	MILK TANK TRUCK - Rear view - it pulls away	3
566	CU	MILK TRUCK bearing word "Milk" pulls away along highway	11
763	MLS	MILK TRUCK - Tank type - going down highway - rear view	8
776		MILK CANS on pick-up truck which comes from behind camera to end of lane, then turns left into road	10
777		MILK CANS - Same action shot from top of camera truck	8
778	MS	MILK CANS - Same pick-up truck emerges from lane to left and goes away on dirt road	8

GRAIN

TRANSPORTATION

B1246	MCU	DECK - Grain pouring down into ships hold. Two men in FG. Dust billows around. Back slighted	5½
B1247	MS	Cont. of above. Different angle. Bridge and sky visible. Slightly backlighted	3½
B1248	LS	FREIGHTER DECK - Workmen stand about deck. Dust from grain pouring into hold rises in extreme BG	8
B1249	MCU	FREIGHTER DECK - Side view of grain pouring from spout into hold. Man stands at spout watching grain, has back to camera	4
B1250	MCU	GRAIN pours from spout into ship's hold, front view. Workman comes to hold's edge, takes a grain sample with a long handled scoop	4
B1251	ECU	GRAIN pouring from end of spout. Rope in FG. No horizon	3½
B1252	MS	GRAIN pouring into almost filled hold. Workman on knees in grain pulls spreader from under grain stream, climbs out of hold	7½
B1253	MCU	GRAIN - Workman slides spreader under grain stream pouring into ship's hold. Dust rises all around	16
B1254	MS	LOADING GRAIN - Workman holds grain stack by rope as grain pours into ship's hold. Warehouse door in BG	7

GRAIN

PROCESSING, MARKETING AND TRANSPORTATION

<u>Scene #</u>			<u>Ftg.</u>
B1255	LS	LOADING GRAIN - Cont. of above. Different angle. Loading rig visible in BG	4½
B1256	MS	LOADING GRAIN - Similar to B1254	5
B1258	LS	GRAIN ELEVATOR STACKS (3) extended to ship. No action. Up shot against blue sky	3
B1259	MS	LOADING GRAIN - Pan down grain elevator stack to grain pouring into ship's hold. End with up shot of grain hitting pile in hold, dust rising around	4½
B1260	MS	SHIPPING - Side view of three grain stacks extended to ship. Two men work on deck. Pan slightly to include white bridge of ship against blue sky	22
A801	MCU	BRAN - Three men unloading box car and stacking sacks of bran in warehouse - shot through box car	2
A802	MCU	BRAN - Two men taking sacks of bran from hand cart	2
B1243	MLS	FREIGHTER IN PORT. No action. Gray overcast sky	6
B1244	MLS	Same as above but clearer, more distinct	5
B1245	MS	FREIGHTER. Man walks along deck toward bridge, passes man standing at rail. Same location as B1243	7
B1257	LS	SHIP - Clean, trim ship, The Irish Elm, anchored at grain elevator dock. Blue sky. No action	9
B1439	MS	TUG BOAT - circles in harbor. Metal posts in FG	13½
B1440	LS	FREIGHT TRAIN moving thru railroad yards. Down shot with Chicago skyline in BG	11
B1438	MS	TUGBOAT - Side view of tug in harbor. Blue sky, metal post in FG with rope around it	3

SHEEP

TRANSPORTATION

409	MS	TRUCK TOWING SHEEP HERDER'S WAGON on Western dirt road - approaches, pans and goes away from camera to LS	22
688	MS	SHEEP being loaded onto truck - loading chute from lower left of frame into truck	13
690	LS	SHEEP - Front and side of red truck filled with sheep - truck pulls away from loading chute toward camera	8
692		SHEEP - Similar to Scene 690	7
735	LS	SHEEP - Men loading sheep from corral into truck	14
735a		SHEEP - Similar to Scene 735 - Utah	13
736	LS	SHEEP in corral - pans to loading into truck	14
737	MS	SHEEP in corral - tilts to LS loading into truck	6
B1311	MS	SHEEP - Down shot of sheep moving up chute into railroad car. Blue sky	8½

VEGETABLES

MARKETING - RETAIL

798	MCU	VEGETABLES on grocery display counter	2
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<u>Scene #</u>			<u>Ftg.</u>
799	CU	VEGETABLES, portion of display centered on cabbage - dolly past onions, beets, oranges, cauliflower, tomatoes, carrots, squash, green beans, apples, pepper, etc.	23
800	CU	VEGETABLE display (portion) - man rearranges it	4
801	CU	CARROTS in above display	2
802	MS	VEGETABLES, portion of rather jumbled display - man rearranges it	13
803	CU	LETTUCE, display of head	3
804	MLS	FRUIT AND VEGETABLE display in grocery store	4
805	MCU	CAULIFLOWER in man's hands	4
806	LS	FRUIT AND VEGETABLE display - pan length of display cabinet	10
807		Similar to Scene 806	14
808	MCU	FRUIT AND VEGETABLE display, showing oranges and grapefruit	4
809		Similar to Scene 808 with pan to left	10
810	CU	FRUIT AND VEGETABLES - portion of above display - hand picks up bunch of carrots	6
811	MCU	PEARS, display of	4
812	CU	GRAPES, box of - hand picks up one bunch	8
813	MS	GRAPES on display on table - individual bunches in sacks	6

MARKETING - WHOLESALE

B1267	CU	WAREHOUSE INTERIOR - Load of bushel baskets passes camera. Pan across warehouse to loading platform	8
B1268	MCU	WAREHOUSE ACTIVITY - Pan following Negro boy pushing produce truck, disappears behind trucks, white-coated man in BG	6
B1269	MCU	WAREHOUSE INTERIOR - Pan from stack of sacked produce past produce truck to truck loaded with sacks and cartons of vegetables	7
B1270	MCU	WAREHOUSE INTERIOR - Pan across piled produce. Load of crates passes camera in immediate FG. Holds on white-coated inspector talking to farmer	10

PROCESSING

A267	CU	COMMUNITY CANNERY - Unsealed cans of food ready for sealing	6
A268	MS	COMMUNITY CANNERY - Young girl peels tomatoes for canning	5
A269	CU	COMMUNITY CANNERY - Young hands peel tomatoes for canning	12
A270	CU	COMMUNITY CANNERY - Cans of unsealed tomatoes for canning - hands place tomatoes in can	8

VEGETABLES

PROCESSING, MARKETING AND TRANSPORTATION

<u>Scene #</u>			<u>Ftg.</u>
A271	CU	COMMUNITY CANNERY - Head and shoulder shot of young girl peeling tomatoes	9
A272	MCU	COMMUNITY CANNERY - Two women seal cans	6
B1325	MCU	MECHANICAL SWEET POTATO WASHER	6
B1326	MCU	MECHANICAL SWEET POTATO WASHER	7
B1327	CU	WASHING MECHANISM for cleaning yams	8
B1328	MCU	CANNING - Industrial pressure cooker. Huge basket load of cans swings into place in cooker; cover is lowered and tightened. Down shot	17

TRANSPORTATION

B1206	MS	LOADING CRATES ONTO TRUCK - three men carry wooden crates to truck. Fourth man lifts crates to stacks on partially loaded truck. Blue sky in BG	7
B1207	CU	CRATE OF YAMS - Down shot of farmer as he carries filled crates to truck where hands of another worker swing the crates out scene to left. No horizon	10
B1237	MS	ROW OF WOODEN CRATES in front of red farm shed. Mule drawn wagon load of crates enters from left, drives in front of stacks. Blue sky	13

RESEARCH
Section VI

DAIRY PRODUCTS

Cheese
Ice Cream

LABORATORIES

PLANTS

Alfalfa
Birdsfoot Trefoil
Clover
Fescue
Grain
Greenhouses
Grass
Tobacco

SOIL

Soil Erosion

TEST PLOTS

UNIVERSITIES & EXPERIMENT STATIONS

CHEESEFtg.Scene #

A264	MS	CHEESE EXPERIMENT - One man stirring whey, one man weighing cheese - Beltsville Research Center	13
A265	MCU	CHEESE EXPERIMENT - Man places slab of cheese on scale - Beltsville Research Center	9
A266	MS	CHEESE EXPERIMENT - Various cuts of cheese on racks - man takes plug out of cheese, cuts sample and tastes it - Beltsville Research Center	17

ICE CREAM

A273	MS	ICE CREAM PLANT - Experiment - man removes sample from machine and weighs it - U. S. Department of Agriculture	19
A274	MS	ICE CREAM PLANT - Experiment - ice cream running from machine - U. S. Department of Agriculture	7
A275	ECU	ICE CREAM PLANT - Experiment - same as above	5

LABORATORIES

A37	CU	LABORATORY - Technician (side view) inserts tube in machine and reads calculations	10
A38	MCU	LABORATORY - Technician looking at flask through mounted magnifier	8
A42	CU	GUINEA PIGS - Man reaches in with board and picks one out	9
A43	ECU	GUINEA PIGS are held by board - hand picks out three	6
A55	MS	LABORATORY INTERIOR - Technician with various bottles - pours contents of one into tube	11
A56	MS	LABORATORY INTERIOR - Tubes removed from steam bath - one placed in rack which girl holds, returns to bench and sits	13
A57	MS	LABORATORY - View through laboratory window as two technicians work - girl uses pipette, flame flask and places liquid in tube man is holding	20
A77	CU	LAB TECHNICIAN - Girl adjusts slide under microscope (side view)	13
A78	CU	LAB TECHNICIAN - Same as above	9
485	CU	MICROSCOPIC SHOT - Section of leaf showing cells	15
486	CU	MICROSCOPIC SHOT - Same as above	10
502	CU	PETRI DISHES - Pan to MS of microscope	19
503	MS	LABORATORY TABLE - Man at table with test tubes, flasks	15
504	MS	LABORATORY TABLE - Same as above - over shoulder shot	13
505	MS	Same as above - over shoulder shot	11
506	CU	Same as above - over shoulder shot	12
632	MS	LABORATORY - Man working at laboratory table - tubes, flasks, etc.	3
633	MS	LABORATORY - Over shoulder shot of man as he works in laboratory	4

LABORATORIES

RESEARCH

<u>Scene #</u>			<u>Ftg.</u>
634		LABORATORY TECHNICIAN putting grass in blender	6
A12	CU	LABORATORY - Bottles and parcels ready for shipping - hand action	13
A23	MS	PHOTOMETER TEST - Lab technician wearing rubber gloves picks up plate from pan, puts it in photometer test unit, turns on controls of control box nearby	18
A24	CU	PHOTOMETER CONTROL PANEL - Needle moves on meter (some hand action)	14
A25	CU	LAB TECHNICIAN (over shoulder shot). Tube with chemicals inside is placed in meter for reading - tube is removed	13
A30	MCU	LABORATORY TECHNICIAN examining smears on plates under microscope, makes notation	10
A31	MCU	LABORATORY TECHNICIAN making smears on plates for brucellosis blood test	6
A32	ECU	SMEAR dropped on square of slide, spreads smear	22
A58	MS	SEED EXPERIMENT - Man fills brown envelope with seed from many pans of seeds - makes notation on pad	14
A59	CU	SEED EXPERIMENT - Same as above	7
B309	ECU	PETRI DISH filled with moist soil - portion of envelope appears and grass seeds are dropped on soil	5
B310	ECU	PETRI DISH with grass seedlings	4
B311	CU	FLAT OF GRASS SEEDLINGS - Tilt up along bench where more flats can be seen - man watering with hose - rows are all staked	12

PLANTS

ALFALFA

B369	MLS	ALFALFA TEST PLOT - Shot across field to show sign "Rhizoma" - pan right past other labeled stakes, "Ranger," "Rhizoma," "Narragansett," "Vernal"	16
B370	MS	ALFALFA TEST PLOT showing same stakes as in B369	10
B371	CU	ALFALFA TEST PLOT - Labeled stake in FG "Ranger"	4
B372	CU	Same as B371 - Label reads "Narragansett"	3
B373	CU	Same as B371 - Label reads "Vernal"	11
B374	MLS	ALFALFA TEST PLOT - Tractor-drawn forage chopper passing along road in BG - stake labeled "Rhizoma" in FG, pan past other stakes - hold on truck as it passes	9
B375	MS	ALFALFA PLOT showing labeled stakes - Pan right past other stakes labeled "Ranger," "Narragansett," and "Vernal"	16
B335	CU	ALFALFA TEST PLOT - Plants suffering from bacterial wilt - hands hold back healthy plants to reveal ones affected with wilt	2 $\frac{1}{2}$
B336	ECU	ALFALFA PLANT damaged by wilt	6
B337	ECU	Same as B336 - Wilt damage more severe	6
B339	MCU	ALFALFA TEST PLOT - Man checking medium size plants	2

RESEARCH

PLANTS

<u>Scene #</u>			<u>Ftg.</u>
B342	MS	ALFALFA TEST PLOT - Shows extreme contrast in growth of plants - man wearing sun helmet and carrying clipboard walks across frame checking plants	8½
B363	MS	ALFALFA TEST PLOT showing stakes and labels - Two men walk through plot - white barn in BG	16
B364	MS	ALFALFA TEST PLOTS - Two men inspecting plants	16
B365	MCU	ALFALFA TEST PLOT showing stake and label "Vernal" - Man walks into frame, stoops and examines plant, then walks through scene	11
B366	MCU	Similar to B365 - Sign reads "Grimms"	15
B367	CU	Similar to B365 - Sign reads "Ranger"	5
B368	MS	SIGNS - "Ranger," "Grimms," and "Vernal"	9
B320	MS	TEST PLOT OF ALFALFA - Man applying hormone spray from tank on a two-wheel push cart - two men in BG walk across frame	12
B321	MS	Similar to B320 - without men in BG	7
B285	MS	ALFALFA PLANTS - Dr. Hugo O. Graumann, Research Agronomist of the Agricultural Research Service, ties potted alfalfa plants to stakes and examines blossoms	14
B286	CU	ALFALFA - Dr. Graumann places magnifying spectacles over eyes - he emasculates a purple alfalfa blossom and tags same	32
B287	CU	ALFALFA - Hands continue action in B286 - pluck yellow blossom from another plant with tweezers and remove petals	13
B288	ECU	YELLOW ALFALFA BLOSSOM between fingers - tweezers enter and remove petals	5
B289	ECU	Same as B288	5
B290	ECU	Same as B288	5
B291	ECU	EMASCULATED PURPLE ALFALFA BLOSSOM as yellow alfalfa blossom is brought into frame and pollen transferred	6
B292	ECU	Same as B291 except tripping of blossom is very evident	7
B293	MCU	GREENHOUSE INTERIOR - Yellow blossoms of alfalfa plants in middle and left FG - Dr. Graumann walks into CU, removes seed pods and walks out of frame to right	10
B294	ECU	ALFALFA SEED PODS - cluster - scissors enters frame and clips pods	3½
B295	CU	ALFALFA SEEDLINGS in flat - hands enter, examine seedlings, open notebook and record data	9
B296	CU	Same as B295	11
B338	CU	ALFALFA CLONAL NURSERY - Feet enter scene, hands check labels on plants	11
B333	CU	DISEASED ALFALFA LEAVES showing leaf spot	8
B334	CU	Similar to B333	6

BIRDSFOOT TREFOIL

B267	MLS	GREENHOUSE BENCH with several potted Birdsfoot Trefoil plants - Mr. Paul R. Henson, Research Agronomist of the Agricultural Research Service, enters and picks up one plant	13
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PLANTS

RESEARCH

<u>Scene #</u>			<u>Ftg.</u>
B268	MS	BIRDSFOOT TREFOIL PLANT - Mr. Henson picks up potted plant from bench, then puts on magnifying spectacles	19
B269	MS	BIRDSFOOT TREFOIL PLANT - Mr. Henson picks up one potted plant and examines blossom	3
B270	MCU	BIRDSFOOT TREFOIL BLOSSOM in hand - petals are removed - record book and tags in BG	5
B271	MCU	BIRDSFOOT TREFOIL BLOSSOM - petals are removed with tweezers - continuation of Scene B270	12
B272	ECU	BIRDSFOOT TREFOIL BLOSSOM - pollen is removed with strip of emery paper for cross pollination	7
B273	ECU	Same as B272	3
B274	ECU	Same as B272	8
B275	ECU	Same as B272	6
B276	MCU	POLLEN being put on emasculated blossom from emery board	7
B277	CU	MR. HENSON, wearing magnifying spectacles, records data in notebook - places book in pocketbook	3
B1278	MLS	BIRDSFOOT TREFOIL PLANTS potted and staked on greenhouse bench - Mr. Henson enters, examines plants and clips seed pods	24
B279	MCU	MR. HENSON labeling envelope of seed - same location as B278	3
B280	CU	BIRDSFOOT TREFOIL PLANT showing cluster of three seed pods and red tag - hand enters and places seed pods and tag in envelope	9
B281	ECU	BIRDSFOOT TREFOIL SEED PODS	5
B283	MS	BIRDSFOOT TREFOIL AND ALSIKE CLOVER TEST PLOTS - Two men are examining plants in BG	4
B284	CU	YELLOW BIRDSFOOT TREFOIL BLOSSOM fills frame	7

CLOVER

B245	CU	RESEARCH TEST PLOT - Man opens back of truck - pan as he removes tools and walks to plot of ladino clover where Dr. Kermit W. Kreitlow, Research Pathologist of the Agricultural Research Service, is staking plants - man digs and pots two ladino clover plants	34
B246	CU	LADINO CLOVER PLOT - Over shoulder shot of Dr. Kreitlow and helper placing clover plants in pots - they walk out of scene	7
B247	CU	LADINO CLOVER PLANTS (4) are placed on empty flat and lifted out of scene	9
B248	MLS	LADINO CLOVER PLOT - Dr. Kreitlow and helper walk into scene - helper picks up flat of potted plants and walks to rear of truck, places plants in truck and shuts door - truck has USDA license	9
B249	CU	TRUCK in Scene B248 goes out of scene	20
B250	MS	TRUCK shot from inside - Helper opens door, picks up flat, places it on cart and enters greenhouse	16
B253	CU	LADINO CLOVER LEAVES being crushed in mortar with pestle	14

RESEARCH

PLANTS

<u>Scene #</u>			<u>Ftg.</u>
B254	ECU	MORTAR - Hand enters scene and places several drops of water in mortar - leaves are crushed	10
B256	CU	LADINO CLOVER PLANTS (2 pots) with plastic collars - hand enters and removes one collar	5
B257	CU	LADINO CLOVER CUTTINGS being made and potted - pan as the pot is placed on flat	14
B258	CU	LADINO CLOVER CUTTINGS in flat - Hand places eleventh and twelfth pots in flat	8
B259	ECU	Same as B258	10
B263	MS	INTERIOR COLD ROOM filled with haze - Man, carrying flat of ladino clover plants, and Dr. Kreitlow walk to camera - door is closed	3
B264	MS	DR. KREITLOW AND HELPER come up stairs to camera and out of scene	8
B230	CU	DISEASED RED CLOVER in hand - Pencil points out crooks and lesions	10
B325	CU	DISEASED RED CLOVER - Stem is split to show effect of root rot	3
B326	ECU	DISEASED RED CLOVER - Same as B325 - root separated to show root rot - normal root held beside it for comparison	7
B327	CU	RED CLOVER PLANTS held in hand - right, European - left, American, which is the hairy variety	5
B328	CU	EUROPEAN RED CLOVER leaves damaged by leafhopper	5½
B329	CU	AMERICAN RED CLOVER showing hairs which protect stems from leafhoppers	7
B330	CU	AMERICAN RED CLOVER - Similar to B329	7
B242	CU	RED CLOVER PLANT held in hand - knife enters and splits root showing root rot - other hands picks up normal root for comparison	9
B243	CU	Similar to B242 - slightly different position	8
B244	CU	Same as B243 - Two roots held for comparison	6
B322	MLS	RED CLOVER - TEST PLOTS - Three men picking red clover blossoms in net-covered field. This is done to insure self-pollination	8
B323	MS	Similar to B322	7
B235	LS	RED CLOVER TEST PLOT - Down shot - pan right to older plots which are thinner - four men walk into plot	16
B236	LS	Same as B235	18
B237	MS	RED CLOVER TEST PLOTS - Down shot - shows variation of growth - four men walk into scene	14
B238	MS	Same as B237	15
B239	CU	RED CLOVER TEST PLOTS showing stakes - down shot	7
B240	CU	Same as B239 - stakes in FG - also shows great variation in growth	9
B241	MS	RED CLOVER TEST PLOT - Three men standing in field - one with spade digs a plant	7½
B376	MS	WHITE CLOVER TEST PLOT in blossom - Electric lights on low posts throughout field to supplement day-light - pan across plot	13

PLANTS

RESEARCH

<u>Scene #</u>			<u>Ftg.</u>
B377	MCU	WHITE CLOVER TEST PLOT showing marked difference in number of blossoms on plants - Two men walk into scene and stoop to observe plants	16
B378	CU	WHITE CLOVER TEST PLOT showing marked difference in number of blossoms on plants	8
B340	MS	SWEET CLOVER NURSERY - Stakes in FG - man with notebook checks plants and walks through plot	11
B341	MCU	Similar to B340 - Low angle shot	10

FESCUE

B302	MS	TALL FESCUE - Dr. Angus A. Hanson, Research Agronomist of the Agricultural Research Service, prepares tall fescue for mutual pollination - sacks are placed over heads of two plants (potted) - potted grass in BG	10
B303	CU	Dr. Hanson's face, up shot - Same action as B302	8
B304	MS	TALL FESCUE - Bagged heads	3
B305	MS	Same as B304	2
B306	CU	TALL FESCUE with sacks over heads - Hand enters and taps one sack	4
B307	CU	Same as B306 except no action	3
B308	MS	Dr. Hanson sitting at table in greenhouse - plants in Fescue in petri dish and makes notes	8
B359	LS	RANIER FESCUE VARIETY NURSERY - Two men in plot - one stoops to check plants, other makes notes	4
B360	CU	Same as B359	8
B361	LS	RANIER FESCUE - Large field - one man with board on tripod makes notes - another walks along rows evaluating plants - large row markers in BG	14
B362	MCU	Same as B361	14

GRAIN

A39	CU	INOCULATING YOUNG GRAIN - Inoculation of grain plant with spores of rust fungus as a test for the resistance to the disease (hand action)	3½
A40	ECU	INOCULATING YOUNG GRAIN - Same as above	4
A41	ECU	INOCULATING YOUNG GRAIN - Same as above	10

GREENHOUSES

A15	MS	GREENHOUSE INTERIOR - Man inoculates bean plants	18
A16	CU	GREENHOUSE INTERIOR - Hands tie identification on bean plant	8
A17	MS	GREENHOUSE INTERIOR - Man wipes leaves of cotton plant with a chemical to determine its effectiveness as a defoliant	8

RESEARCH

PLANTS

<u>Scene #</u>			<u>Ftg.</u>
A18	CU	GREENHOUSE INTERIOR - Hands wipe leaves of cotton plant in pot with a chemical to determine its effectiveness as a defoliant	9
A19	CU	GREENHOUSE INTERIOR - Man shakes spray from shaker onto cotton plants, then grinds leaves in mortar and pestle to determine the spray's absorbency	6
B251	MS	GREENHOUSE as helper goes away from camera into LS down hallway	16
B252	MLS	GREENHOUSE as man pushes cart of ladino clover down hallway	14
A52	CU	GREENHOUSE - Sprinkling water over seed bed - pouring seed from sack and scattering on bed	12
A53	MS	GREENHOUSE - Budding mangoes - several plants 2 to 3 feet high	15
A54	CU	GREENHOUSE - Same as above	10
B255	MCU	GREENHOUSE BENCH with potted ladino clover, bean plants, mortar, pestle and other tools - hands enter scene and place several drops of water in mortar and crush leaves	6
B260	CU	GREENHOUSE BENCH almost filled with potted ladino clover plants - pan left and tilt up past more potted plants as man waters same with sprinkling can	11
B261	CU	GREENHOUSE BENCH half filled with potted ladino clover plants - hand places another pot on gravel-filled bench	3
B262	MCU	GREENHOUSE BENCH filled with potted ladino clover and grass - hand watering plants	6
B282	MLS	GREENHOUSE BENCH showing rows of seedling plants in nutrient culture bench - seedling vigor test - tilt up to show fluorescent lights over bench	9
B220	MLS	GREENHOUSES - Slightly down shot - slow pan R to L showing other greenhouses	7
B221	MLS	GREENHOUSES - High shot down on driveway - pan left along rows of greenhouses	21
B222	MS	GREENHOUSE, side view - Shrubbery around building - pan R to L showing several greenhouses - road on left	22
B265	CU	DIAL IN GREENHOUSE on temperature humidity control device	8
B266	CU	DIAL - Timing device in Greenhouse - cover is closed and then opened	8
B300	MS	THERMOMETER being hung in greenhouse by man	7
B301	CU	Same as B300	6

GRASS

B343	MLS	BROME GRASS NURSERY - Mature plants, several seed heads are sacked - man walks among and examines plants - buildings in BG	7
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PLANTS

RESEARCH

<u>Scene #</u>			<u>Ftg.</u>
B344	MLS	Similar to B343 - Man walks into FG	6
B345	MCU	CRESTED WHEAT GRASS in test plot - Man kneeling beside stake at end of row in FG, examines plants and makes notes in record book	7
B346	CU	CRESTED WHEAT GRASS HEADS against blue card BG - Shows contrast between commercial on left and Mandan, the improved variety, on right	9
462	CU	GRASS - Clumps of blue stem in test plot rows	5
463	CU	GRASS - Same as above	5

TOBACCO

All	CU	TOBACCO PLANTS - Hands pick up two potted plants for comparison--one large, other stunted	4
A22	MS	BREEDING TOBACCO PLANTS - Hothouse interior - man picks out potted plant and sets it in box	7

SOIL

SOIL EROSION

B1004	MLS	SOIL RUN-OFF AREA. Two men enter scene from right. Man in white shirt walks on edge of concrete lined lysimeter, cleans out drain. Then climbs stairs to equipment box and opens it. Man in khakis stands writing on clipboard	21
B1005	MLS	Cont. of Above. Man takes jar from equipment box. Men climb down into lysimeter. Man with jar stirs water in metal can and measures water level in can. Begins to take a sample of water in jar. Man with clipboard records data while squatting beside can	38
B1006	MLS	Cont. of above. Man holds up jar and screws on top. The two men climb out of lysimeter and start out scene to right	16
B1008	MLS	Same as B1004	13
B1009	MLS	Continuation of B1008, same as scenes B1005 and B1006	37
B1010	MS	SOIL RUN-OFF AREA. Men climb out of lysimeter, pick up gear and start walking away from camera to right. Camera follows them as they start up hillside	9 8½
B1012	MLS	Similar to B1010	
B1017	LS	EROSION TESTING AREA. Lysimeter in Scene B1004 in FG. Poles and equipment boxes on hillside. Building in extreme left BG. No action	15
B1011	MS	ELECTRONIC EROSION MEASURING DEVICE. Men enter scene from left. Man in khaki wears earphones, carries counter. Men squat at edge of test plot putting case on ground	7
B1007	MS	ELECTRONIC EROSION MEASURING DEVICE. Men in above scene enter hillside scene from left, squat on edge of testing area. Man in khaki outfit puts on earphones, begins to work with counter. Man in white shirt records data. Men finish work, gather up gear	21

RESEARCH

SOIL

<u>Scene #</u>			<u>Ftg.</u>
B1015	MS	COLLECTION RESERVOIR. Man sits on edge of tank writing on clipboard. Wind indicator whirls to left. Pretty countryside in BG	7
B1016	CU	Cont. of above. Different angle. Man removes measuring stick from tank, checks and replaces it. Begins to record data on clipboard	7
B1013	MLS	Men come up hillside from right, separate to check precipitation stations. Electronic erosion measuring device in FG	16
B1014	CU	PRECIPITATION STATION. Man in khaki opens stations, reaches inside and removes bottle which he opens. He reaches inside station with eyedropper, replaces bottle top and closes door. Wooded hill in BG	11
B1018	MCU	WOMAN TECHNICIAN counts test tubes in basket, puts tubes in soil meter, records data. Side view. Interior of laboratory	21 $\frac{1}{2}$
B1019	MCU	Same Technician at flame photometer, uses pipette, records data on clipboard	29
B1020	ECU	METER DIAL hand moves as tube is placed in instrument. Partially filled flasks on either side of meter	12
B1022	CU	SPECTROANALYSIS TEST. Flame test for soil chemical content	8
B1023	CU	Similar to above. Color of flame changes from blue to yellow to violet.	21
B1024	CU	Similar to above. Flame changes from blue to yellow and holds for 7 ft. Violet replaces yellow flame	15

TEST PLOTS

137	MS	CORN TEST PLOT - Potash deficiency sign - pans to "balanced fertility" sign and good corn	10
138	CU	SIGN - "Potash deficiency"	6
139	CU	SIGN - "Balanced fertility"	7
296	LS	EXPERIMENTAL PLOT - "Major's Flat" - no irrigation or fertilizer - Utah	5
297	MLS	EXPERIMENTAL PLOT - Pan from unimproved mountain brush to "Major's Flat" experimental plot	10
B319	LS	TEST PLOTS showing a variety of crops at the University of Wisconsin Experiment Station - trees in extreme BG	11
A9	MS	FERTILIZER (radioactive) FIELD TEST - Man with mask on face adjusting apparatus on fertilizer spreader	4
A10	CU	FERTILIZER FIELD TEST - Same as above, man against sky	6
A48	MS	FERTILIZER TEST PLOT - Man scatters fertilizer by hand on corn stubble	8

TEST PLOTS

RESEARCH

<u>Scene #</u>			<u>Ftg.</u>
A49	CU	FERTILIZER TEST PLOT - Same as above	4
A50	ECU	FERTILIZER TEST PLOT - Same as above	5
A51	MS	FERTILIZER TEST PLOT - Corn - Two piles of husked corn, four men checking data in BG	7
B312	MS	UNIVERSITY OF KENTUCKY at Lexington - Administration Building - "Agricultural Experiment Station" can be seen on front of building - people walk in and out of building - overcast sky	29
B313	MS	Same as B312 - Shot with sunshine	21
B314	MS	Same as B312 - Shot with sunshine	21
B316	CU	FACADE OF BUILDING showing name "Agricultural Experiment Station" - Lighting matches B313 and B314	11
B317	CU	SIGN "Plant Breeding Unit" - Shot against light cloudy sky	4
B318	CU	SIGN "2 Miles Plant Breeding Unit, Department of Agriculture and Soils, Agricultural Experiment Station, Alabama Polytechnic Institute" - sign fills frame	6

UNIVERSITIES & EXPERIMENT STATIONS

A352	MS	SIGN - "U. S. Department of Agriculture - Agricultural Research Center"	9
A353	ELS	USDA BELTSVILLE RESEARCH CENTER - Travel shot through car window	12
A354	LS	Same as above	18
B216	MS	SIGN - "USDA Plant Industry Station" - Pan R to L showing the buildings - holds on center building - man cutting grass with sickle near sign	14
B217	MS	Same as B216	12
B218	MS	ADMINISTRATION BUILDING of USDA Plant Industry Station - car goes down driveway	7
B219	MS	Same as B218	13
B221	MLS	PLANT INDUSTRY STATION GREENHOUSES - High shot down on driveway - pan left along rows of greenhouses	21
20	MS	SIGN - "Ranger Alfalfa, Fertilizer and Lime Tests" - shows alfalfa field	7
206	MS	SIGN - "Balanced Fertility" and good strong corn plants	3
207	CU	SIGN - "Balanced Fertility"	9
208	CU	SIGN - "Nitrogen Deficiency"	9
209	LS	SIGNS - Two signs as above and corn plant samples in test plot	14
926	CU	SIGN at project denoting cooperative agencies in the gypsy moth control program - USDA and Penn DA mentioned	17

FORESTRY
Section VII

CONIFER & HARDWOOD

Evergreens
Felling Trees
Trees
Underbrush
Woodland

LOGGING

Loading Logs
Sawed Logs

LUMBER

Saw Mills

PULPWOOD

Harvesting Pulpwood

TREE PLANTING

Planting Tree Seedlings

<u>Scene #</u>			<u>Ftg.</u>
520	MS	WOODLAND - Pan across cut-over hardwoods	17
521	MS	Similar to Scene 520	15
B927	LS	WOODLOT - Two horses grazing in rocky hill woodlot	9
B928	LS	ROCKY MEADOW with a woods in background. Hurdle in foreground	5
859	LS	FOREST - Cutting and thinning of birch stand, New England forest, high stumps left	18
1013	LS	CLEARING AND REMOVING UNDERBRUSH - Men in woods clearing and removing underbrush where egg clusters might overwinter	10
1014	MS	CLEARING AND REMOVING UNDERBRUSH - Similar to Scene 1013	8
A147	MLS	TREES - Two men enter woods - one with spray gun marks one tree for cutting	11
A148	CU	TREES - Man identifies tree for cutting by spray- ing white spot on trunk	5
C257	MCU	TREES - Three trees in winter scene. Two-thirds horizon. White clouds	9 $\frac{1}{2}$
C258	MCU	TREES - Same as above. Less clouds	7
C259	MCU	TREES - Leafless trees against horizon. Few white clouds	5 $\frac{1}{2}$
C267	MLS	FOREST - Pan shot of conifer forest. Tall pines in immediate background. White clouds	22
C268	LS	FOREST - Stream of water surrounded by trees. Hills in background. White clouds in horizon	7 $\frac{1}{2}$
C269	LS	CONIFER FOREST - Pan shot of forest. Trees con- trasted in kind and size. Few white clouds in background	11 $\frac{1}{2}$
C270	CU	CONIFER FOREST - Evergreen forest. White clouds in horizon	6
C271	MCU	CONIFER FOREST - Pan shot of conifer forest on hill. White clouds in background. Little horizon	5 $\frac{1}{2}$
C272	MCU	FOREST - Man in foreground sawing tree with power saw. No horizon	8 $\frac{1}{2}$
C273	CU	FOREST - Man's hands placing power saw on tree. No horizon	15
C274	MCU	FOREST - Same as above. Tilts into foreground, then back and forward again	19
C275	MCU	FOREST - Two men sawing tree in forest with hand saw	9
C276	MCU	FOREST - Tall narrow tree falls after being sawed. Truck and two unrecognizable men in foreground. Few white clouds	6
C277	MCU	FOREST - Man saws tall slim tree. Tree falls. Horse in foreground walks to fallen tree. No horizon	12 $\frac{1}{2}$
C278	CU	FOREST - Man and horse in foreground. Horse pulls fallen tree going right. Two men in background. No horizon	11 $\frac{1}{2}$

<u>Scene #</u>			<u>Ftg.</u>
C279	CU	FOREST - Man saws base of tree with power saw. Tree falls to right. No horizon	17
C280	MCU	FOREST - Man walks toward trees with power saw. Cuts tall weeds around tree with axe and prepares to saw tree. No horizon	16
C281	CU	FOREST - Man saws tree with power saw and helps push it down. Watches it fall. Other men at left. One walks in front of fallen tree	18 $\frac{1}{2}$
C282	CU	FOREST - Man's hands cutting base of tree with power saw. No horizon	9 $\frac{1}{2}$
C283	MCU	FOREST - Shaded forest. Trucks in background approach camera	14 $\frac{1}{2}$

LOGGING

C284	MCU	LOGS - Rear view of three logs on back of truck going through forest. Half-shaded, half-sunny path in foreground. Very little horizon	15 $\frac{1}{2}$
C285	MCU	LOGS - Large log being pulled by truck on forest path going away from camera. Unrecognizable man jumps on log. Stumps of sawed-off trees in foreground. Standing trees in background. Very little horizon	8 $\frac{1}{2}$
C286	MCU	LOGS - Men loading large logs on truck. White clouds in horizon	31
C287	MCU	LOGS - Large logs being hoisted on truck. Man gets on logs. Trees in background. No horizon	11
C288	CU	LOGS - Large sawed logs on stream of water	4 $\frac{1}{2}$
C289	MCU	LOGS - Logs at right hoisted from truck onto train cars. Few trees in background	8 $\frac{1}{2}$
C290	CU	LOGS - Same as above	8 $\frac{1}{2}$
C291	CU	LOGS - Same as above. Slightly different angle	9
C292	MCU	LOGS - Truck loaded with logs comes CU to camera, goes to left and turns, goes away from camera	17 $\frac{1}{2}$
C293	CU	LOGS - Many sawed logs. No horizon	9
C294	MLS	LOGS - Same as above. Little horizon	4
C295	MLS	LOGS - Same as above. Little horizon at left	4 $\frac{1}{2}$
C296	MCU	LOGS - Sawed logs in forest. Pan shot of people walking left into foreground. Trees in background	10
C297	MCU	LOGS - Winter forest scene. Snow-covered logs being put put on truck. Man standing on logs on truck. Snow-capped trees in background	8 $\frac{1}{2}$

LUMBER

A149	CU	LUMBER being dressed	7
C311	MCU	LUMBER - Machine carrying stack of lumber, places on other stacks in saw mill. White cloud in right background	9
C312	CU	LUMBER - Load of lumber being hoisted from machine onto platform with other stacks of lumber	8 $\frac{1}{2}$

FORESTRY

LUMBER

<u>Scene #</u>			<u>Ftg.</u>
C313	CU	LUMBER - High stacks of lumber. CU of one stack being put from machine on pile of wood	12
C314	MCU	LUMBER - Stack of lumber moving high on machine going away from camera and placed on other stacks of lumber	8 $\frac{1}{2}$
C315	MCU	LUMBER - Load of lumber being placed on stack. Pan shot of several stacks and tilts up to top stack and horizon	16
C316	CU	LUMBER - Logs hoisted by machine into building at saw mill scene	24

PULPWOOD

B863	MS	PULPWOOD - Two colored-men loading pulpwood on truck. One carries log to truck, the other takes it from him	4
B864	MS	PULPWOOD - Truck load of pulpwood being loaded by two colored men	7
B865	MS	PULPWOOD - Colored man chopping down underbrush, log in foreground	4
B866	MS	PULPWOOD - Colored man in plaid shirt chopping with axe on log. Other logs in foreground	4

TREE PLANTING

B1036	MCU	TREE PLANTING - Side view of man planting seedlings on slope, goes out scene to right carrying shovel. Scene holds on slope with freshly planted trees. Dairy cattle in background. Horizon not visible	20
C263	CU	TREE PLANTING - Two men planting trees. Tilts up to show hands planting and feet stamping plants down	12 $\frac{1}{2}$
C264	CU	TREE PLANTING - Boys planting seedlings. Two men enter foreground	16
C265	CU	TREE PLANTING - Two men in foreground looking at newly-planted tree	6
C266	MCU	TREE PLANTING - Boys making holes in ground with pipes for planting seedlings. Trees in background	16

T V PACKAGES
Black and White only

The TV films listed below are available in 16mm BLACK-and-WHITE prints only. Composite sound prints will be furnished if the package is a sound film. Prints of silent packages will be furnished on double-perforated stock unless otherwise specified. The films must be purchased in package units at the price indicated at the beginning of each package. Individual scenes from a film will not be printed.

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TV Film Package No. 1000-15 -- 4-H CAMP IN WASHINGTON

A silent film about 4-H visitors in Washington

Length, 131 ft. -- Cost, \$6.55

LS Down view 4-H'ers climbing steps.
MS Two youngsters looking up.
LS U. S. Capitol dome framed by trees.
MS Youngster taking photograph.
MCU Group climbing Capitol steps.
MLS Upview USDA building - tilt down to group near entrance.
MS Group talking to Assistant Secretary of Agriculture J. Earl Coke.
MCU Angle shot of group.
MCU Reverse same.
MCU Mr. Coke and group.
MS Three 4-H'ers.
MS Mr. Coke shaking hands with young girl.
MLS Pan bus load of 4-H'ers moving down road.
MS Sign "U. S. Department of Agriculture - Agricultural Research Center."
LS Line of buses enter Research Center at Beltsville, Md.
MCU Youngsters alighting from bus - pan over to others already assembled.
LS Boys escorted by Mr. T. W. Moseley past silo.
MS Boys listening to Mr. Moseley.
CU Same.
CU Boys listening.
CU Mr. Moseley.
MCU Boy looking up.
MS Upview silo.
MS Interior meats laboratory. Girls are being shown controls.
MS Same.
MS Girls walk out of cold room.
MS Dr. R. L. Hiner pointing out characteristics of a cut of meat.
MLS Girls seated in audience listening to Dr. Hiner.
LS Reverse angle of group - Dr. Hiner talking.
MS Pan group of boys attending swine demonstration conducted by Mr. Z. H. Zeller.
MS Mr. Zeller talking.
MS Pan group listening.
MLS Same - tilt down to hogs.
MLS Twin 4-H boys lead out twin bulls.
MS Twins and bulls.
MCU Same.

TV Film Package No. 1000-16 -- WHEAT TO PAKISTAN

Sound on film showing first assignment of surplus wheat to Pakistan.

Length, 171 ft. -- Cost, \$8.55

MS President Eisenhower signs bill authorizing wheat delivery. Tilt up to show U. S. and Pakistan officials nearby.

CU The President signing the bill.
 ECU Desk and papers as the President finishes.
 MCU The President passes out pens.
 MCU Pan attending officials.
 MS Secretary of State John Foster Dulles signing pact. Ambassador S.
 Anjud Ali looks on.
 MS Another angle same.
 MS Ali signs pact.
 LS Flag-bedecked freighter beside Baltimore, Md. dock.
 LS Officials on dock approach wheat ship.
 MS Name on ship's side - "Anchorage Victory." Tilt up to masts.
 MS Officials standing near hatch as wheat falls from spout in fore-
 ground. Scoop reaches in and takes sample.
 LS 2nd Army Band playing for ceremonies.
 MS Mr. Harold Stassen, Administrator of the Foreign Operations Admini-
 stration, shakes hands with officials.
 LS Same as Scene 9.
 MLS Mr. Stassen walks to mike, begins speaking. Large sign in back-
 ground reads "Wheat for Pakistan from the United States of
 America" in both English and Pakistani.
 MS Mr. Stassen speaking.
 LS Same as Scenes 15 and 9.
 MLS Assistant Secretary of Agriculture Romeo E. Short walks to mike and
 speaks.
 MLS Another angle same - pan to band.
 CU Insignia on background sign (Scene 10) showing clasped hands.
 MLS Ali walks to mike, speaks.
 MS Ship begins to move out. Tilt up to show U. S. and Pakistani flags
 flying.
 MS Side of ship as it moves out, showing same sign as in Scene 16.
 MLS Up view officers on bridge.
 MS Up view of ship's side showing name.
 MLS Tug moving ship out.

TV Film Package No. 1144-1 -- GRASS

Sound film showing how some farmers made grass pay off for them.

Length, 291 ft. -- Cost, \$14.55

CU Low angle shot of grass.
 MS Two calves in good pasture - run away from camera.
 MCU Same as above - trees in BG.
 MCU Two boys wrestling - they go out of picture.
 MCU Meat hanging inside storage room. Man in white coat comes in and
 examines meat.
 MLS Pans across pasture.
 MLS Fence dividing good; treated pasture and poor, untreated pasture -
 pan to good pasture with cattle in BG.
 LS Terraced hillside - snow covered mountains in BG.
 MS Grass being cut.
 MS Several cows on good pasture.

MCU Down shot of grass - tilt up to Herefords in BG on range.
 MS Poultry farm - white chickens around chicken house.
 MCU Turkeys - full frame.
 MS Hog farm - hogs in good grass in FG with the hog houses in BG.
 CU Milk truck goes down highway to MLS.
 MS Cattle in stockyard waiting for shipment.
 MCU Same as above.
 LS Field of grass - pans.
 MCU Farmer sitting in chair leaning against white frame house - talks to camera.
 MS Overgrown bottom land - pans to small field of grass which has been cut and raked into windrows.
 MCU Farmer leaning against unpainted wooden fence with paper in his hand - looks over farm.
 CU Same as above, head and shoulder shot.
 MCU Grass plots - man walks into frame - hand picks up tag on grass.
 MS Grass test plots - man inspecting plants.
 MS Two men emptying sacks of fertilizer into spreader - pick-up truck in BG.
 MS Spreading fertilizer on pasture - irrigation pipes can be seen.
 MS Farmer, wearing overalls, inspecting soil - straw hat on ground.
 CU Hands cut plug of soil and examine.
 MS Large flock of sheep running through gate.
 MLS Haylift picking up grass - comes to CU camera.
 MS Same as above - grass being put into shed.
 LS Good pasture with cattle in BG - pans across field of cut grass.
 CU Farmer, with back to camera, looks over large pasture - barn in extreme BG.
 CU Farmer - head and shoulder shot against sky - talks to camera.
 CU Same as above - different farmer.
 CU Same as Scene 34 - different farmer.
 CU Same as Scene 34 - different farmer.
 MCU Dr. Philip V. Cardon, in laboratory - turns and talks to camera.
 CU Laboratory - petri dishes holding grass samples - pans to man looking through microscope.
 MS Grass plots - down shot - showing relative humidity equipment.
 MS Man working in laboratory.
 CU Same as above - hand action - pouring chemicals into flask.
 MS Laboratory technician making grass test - CU of grass blender.
 LS Rolling countryside - pans across country showing strip crops of corn, farmstead and other crops.

TV Film Package No. 1210-1 -- FARM SAFETY

Silent footage showing hazardous conditions around a farmstead.

Length, 111 ft. -- Cost, \$5.55

LS Farmstead.
 CU to LS - Tilt up along roadway to farm.
 CU Broken porch step. Man steps over it.
 MS Woman opens door to dark cellar.

CU Hand flicks light switch.
 MS Woman descends cluttered steps as light goes on.
 CU Woman's foot slips on rug.
 CU Rug is lifted back to reveal rubber mat underneath.
 MS Child playing with matches on rug.
 CU Cigarette burning on edge of bookcase.
 MS Man walks out of house, stumbled on littered trash.
 CU Man stumbling.
 CU Running tractor pulley. Man starts to put belt on, then pauses.
 MS Man leading bull by ring and hand.
 MS Man leading bull with staff through ring.
 MS Farmer driving tractor down farm road.
 LS Tractor pulls on to main road and is narrowly missed by auto.
 MCU Emergency entrance sign - pan ambulance as it turns into roadway of hospital.
 LS Children running around path near house.
 LS Farmstead.

TV Film Package No. 1210-2 -- GRASS SILAGE

Silent footage showing harvesting, storing, preserving of silage.

Length, 157 ft. -- Cost, \$7.75

MS Grass silage cutter picking up and cutting alfalfa as it moves to camera.
 LS Silage-loaded truck pulled up at silo.
 CU Chopped alfalfa being forked off truck onto silo loader (turning screw).
 CU Chopped alfalfa churning in screw of silo loader. Tilt up to top of silo.
 MLS Truck pulling into silo.
 MLS Rear view truck dumping silage.
 MS Side view, same.
 MLS Repeat rear view, truck finishes dumping.
 MS Tractor compacting silage.
 MLS Trench silo.
 MS Same action as farm hands are chopping and forking out silage.
 ECU Same action.
 MLS Silage being dumped from wagon to waiting and hungry cattle.
 MS Blower pipe of silage cutter.
 CU Shower of cut silage fills frame.

TV Film Package No. 1210-3 -- NEW USES FOR AGRICULTURAL BY-PRODUCTS

A sound film showing uses of Dextran, a blood extender, and elastic bandage. Both developed through cooperation of USDA.

Length, 166 ft. -- Cost, \$8.30

MS Doctor and nurse preparing to administer Dextran to patient in bed.
 Doctor hooks bottle to stand and inserts needle into patient's arm.

MLS Three young ladies seated at table. They sweeten lemonade with sugar.

CU Empty glass on table. Hand reaches into frame and fills glass with root beer. (Bottle of spoiled root beer led to discovery of Dextran.)

MS Laboratory technician adjusting microscope.

CU Microscope shot of Dextran-producing bacteria.

MS Technician finishes looking at slide and makes notes.

CU Bottle of Dextran hanging from bedstand. Doctor close by. Drops of fluid leaving bottle are visible.

MS Interior of warehouse stockpiling Dextran for emergency use. Worker drives up on mechanical lift and begins to stack boxes of Dextran.

CU Another worker removes box of Dextran, opens it and displays packed Dextran bottle.

CU Doctor at bedside displays elastic bandage kit. Stretches roll of bandage to show elastic qualities.

MCU Doctor and nurse apply elastic bandage to hold burn dressing in place on back of patient.

ECU Same action.

MS Two young ladies - one with ordinary bandage, the other with elastic bandage on elbows - demonstrate non-crimping quality of elastic bandage.

CU Elastic bandage as young lady flexes forearm.

MS Nurse bandages elbow of young lady with elastic bandage.

MLS General laboratory scene (merely intended to get over research idea).

TV Film Package No. 1210-11 -- YOUR PORTABLE MOTOR

A sound demonstration film with Joe Schaenzer, REA specialist, who gives some tips on the care and use of motors. Includes novel idea for making a farm motor portable.

Length, 196 ft. -- Cost \$9.80

MS Schaenzer behind desk. Motor is in front of him, chart in back-ground.

CU Schaenzer tips motor and shows wooden rails affixed to bottom.

MS Schaenzer points out pulley of motor, then picks up the motor and starts to place it on board to which grinding wheel is attached.

CU Motor is put in place on board, and belt is attached to pulley.

MS Schaenzer finishes adjustments, points out belt to show alignment. Turns and walks to chart.

CU Chart showing correct and incorrect alignment of motor and grinder.

MS Schaenzer at chart - turns back to motor. Shows how belt should be placed to make sure it pulls from bottom rather than top of motor to minimize tipping. Turns motor on. Takes chisel and moves to grinder.

CU Schaenzer sharpens chisel.

MS Schaenzer turns off motor, picks up picture of "motor toter."

CU "Motor toter."

MS Schaenzer puts down picture, goes to motor, then turns and removes first chart. Another chart underneath.

CU Chart as Schaenzer points out lubrication points on sleeve-bearing type motor.
 MS Schaenzer at chart points to winding. Removes chart.
 CU Schaenzer points to chart of ball-bearing type motor. Points out lubrication points.
 MS Schaenzer at chart. Turns back to motor, removes it from grinder.
 CU Motor showing handle attached.

TV Film Package No. 1210-13 - SCHOOL LUNCH

Silent film showing various views of children being served in school cafeteria line, and their going to tables with lunch.

Length, 52 ft. -- Cost, \$2.60

TV Film Package No. 1210-14 - FARM CREDIT

Silent subject.

Length, 220 ft. -- Cost \$11.00

LS Farmer looking out over field.
 MS Rusted equipment idle in field.
 MS Interior of bank.
 CU Auction sign.
 MLS Exterior feed store.
 MS Same store showing "No Credit" sign.
 MS Interior country store. Makeshift credit office is set up.
 CU Series of Production Credit Association signs in various areas.
 MS Farmers throw feed bags into truck.
 MLS Herd of cattle.
 MS Truck spreading fertilizer.
 CU Disc harrow in operation.
 MS Side of tractor as it moves over field.
 MS Tractor pulling disc harrow.
 MLS Battleship fires salvo.
 MS Another angle same.
 MS Reaping machines.
 MLS Farmer cutting silage.
 CU Series of shopping carts being filled with food.
 CU PCA sign.
 MS Interior PCA office. Farmer at counter is being helped by woman clerk.
 MS Cows being fed.
 MCU Farmer smells silage.
 CU Cows feeding.
 MLS Farmers working in field.
 LS Row of tractors in factory yard.
 MS Farmers repair fence.
 CU Night view - flashing Champaign, Ill. PCA sign (first PCA)
 CU Sign "Milt Warren ..." on truck door (Milt got first PCA loan).
 Animation. Shows how PCA's spread throughout country.

MS Farmers going into PCA office.
CU Same.
ECU Sign "Member Owned."
CU Series facial close-ups of farmers.

TV Film Package No. 1210-15 -- A TREE GROWS FOR CHRISTMAS

Special TV version of USDA release showing harvesting of Christmas trees. Musical background.

Length, 271 ft. -- Cost, \$13.55

ANIMATION. With the horizon line low on the frame, a small tree appears, and grows rapidly to fill the frame and becomes a decorated Christmas tree. Over this title plates appear - A TREE GROWS FOR CHRISTMAS.

ANIMATION. Book cover, a fir tree flecked with snow, tilted THE CHRISTMAS TREE IN LEGEND AND HISTORY. Page turns.

ANIMATION. Interior, Luther's cottage - Christmas tree on table. Page turns.

ANIMATION. Interior of Austrian Tyrol cottage.

ANIMATION. Early American village scene.

ANIMATION. Modern American interior.

ANIMATION. Room darkens down, lights come on tree and twinkle. (END OF ANIMATION)

MS Top loader receiving tree.
MLS Loaded truck drives away.
MS Farmer and horse-drawn rig come up to farm house.
MS Farmer and grandson unloading trees.
MS Same.
MS Tractor-drawn load of Christmas trees.
MS Unloading Christmas trees from farm wagon.
MLS Dumping Christmas trees from dump truck.
MS End of wagon load of trees pulling away.
LS Unloading of Christmas trees from wagon in concentration yard.
MS Sorting Christmas trees in concentration yard.
MS Loading trees on truck.
MS Loaded truck pulls away from concentration yard.
MS Man walks into scene, selects and tags a tree for cutting.
CU Putting tag on branch.
MS Finish of above, goes on to mark another tree.
CU Cutting a spruce above the lower whorl of branches.
MS Man drags cut tree away.
MCU Stump and lower whorl.
MS "Turn-up" tree.
MS Large "turn-up" tree.
MS Cutting a balsam tree.
MS Sawing a spruce.
MS Chopping a balsam.
MS Sawing a pine.
MS Sawing a balsam.
MS Loading snow-covered Christmas trees on wagon.

MLS Wagon load of Christmas trees drawn by horses over snow.
 MLS Truck load of trees coming into concentration yard.
 MLS Concentration yard, sorting into progress.
 MS Another concentration yard, sorting in progress.
 MS Tying of spruce Christmas trees.
 CU Ball of twine.
 CU Tying above.
 CU Tying.
 CU Tying bundle.
 CU Making knot, cutting twine.
 MS Putting red pine on a bundling machine.
 MS Closing arms of bundling machine.
 MCU Closing arms of machine.
 MS Tying cords around bundle.
 MS Chopping balsam boughs.
 MS Same, piling of boughs in background.
 MS Piling boughs in frame.
 MS Tying bundles of boughs.
 MS Butt-trimming.
 CU Same.
 CU Same.
 CU Same.
 MS Same, railroad concentration yard, train in background.
 MLS Loading bundles of trees on freight cars.
 MS Same.
 MS Operator checking bundles of trees as they are loaded.
 MS Operator and freight agent talking in front of the station.
 MS Freight agent writing note.
 LS Boston's Farmer Market.
 MS Farmer's Market sign.
 MS Trees in Farmer's Market.
 MS Unloading Christmas trees from big truck.
 MS Trees in Farmer's Market.
 CU Retain yard, sign saying "Only 7 Days to Christmas", PAN DOWN
 MS To man purchasing tree. Selects one, pays for it and walks away.
 MS Brings his tree to his car.
 MS Car comes home, children come out and get tree.
 MS Bringing tree and equipment into yard - starts to butt tree.
 CU Saw, butt-trimming.
 MS Finishing butt-trimming, puts in pail of water.
 CU Butt of tree going into pail.
 MS Daughter sprinkles water on tree.
 CU Christmas tree stand, tree put into it.
 CU Stand with braces - water is poured into it.
 MS Child's head silhouetted, Christmas tree in background. Child walks
 into scene.
 ANIMATION. Scene 5 - page in book with room darkened, lights still
 twinkling.
 Cover of book closes over. End title appears.

TV Film Package No. 1210-16 -- FOREIGN AGRICULTURAL TRADE

Sound film of Clayton E. Whipple, Acting Administrator, Foreign Agricultural Service, as he explains the importance of agricultural imports and exports.

Length, 196 ft. -- Cost, \$9.80

TV Film Package No. 1210-19 -- MEAT-TYPE HOG

Silent film showing differences in fat versus meat-type hogs.

Length, 215 ft. -- Cost \$10.75

MS Pan sow and baby pigs at Beltsville Research Center.
MCU John Zeller, USDA expert, holding two pigs. One is normal, the other is a runt.
MS Half-grown black hogs in Beltsville pen.
MS Mr. Zeller pointing out features of meat-type black hog.
MS Mr. Zeller pointing out features of fat and meat-type hogs.
MS Mr. Zeller points out meat-type features.
MS Comparison shot of meat versus fat hog.
MS Mr. Zeller herds out overweight 300-lb. meat-type hog.
MS Interior - Dr. Hiner, USDA expert, points out differences in fat and meat carcasses.
MS Same.
MS Dr. Hiner points out meat-hog characteristics still apparent on overweight carcass. Tilt down with action.
MS Dr. Hiner cuts fat loin. Lean loin is nearby.
CU Comparison of fat versus lean loin. Dr. Hiner cuts off chops from each.
CU Two chops.
CU Dr. Hiner cuts fat, then lean bacon.
ECU Comparison of ends.
CU Two hams - Dr. Hiner points out characteristics of fat versus lean.
MS Two piles of fat - one from fat hog, one from meat hog.
MS Pan of five cuts from meat hog - right to left, ham, bacon, picnic, loin, shoulder butt.

TV Film Package No. 1210-20 -- SECRETARY BENSON

Sound film of Secretary of Agriculture Ezra Taft Benson as he gives his views on what is ahead for farmers in 1954.

Length, 17¹/₄ ft. -- Order by full-length package only -- Cost, \$8.70

TV Film Package No. 1210-22 -- VESICULAR EXANTHEMA

Silent film showing reason for, symptoms of, and recommended control measures for fighting this hog disease.

Length, 154 ft. -- Cost, \$7.70

CU Quarantine sign is posted on fence.
MS Two diseased pigs. They show signs of sore feet.
ECU Pig's nose, showing skin ruptures.
CU Pig's feet showing blisters.
LS Quarantine inspectors standing with farmer looking over pigs in field.
MS Farmer and inspectors. One inspector makes notes on pad.
MLS Truck dumping raw garbage into feeding box.
MS Pigs rushing up to box.
MS Freight train passes right to left angle.
MS Pigs entering stockyard pen.
MLS Down angle pigs in pen, pan to another full pen next to it (mixture of grain and garbage fed hogs in yards).
MS Farmer turning on steam valve to specially equipped garbage-cooking truck.
MLS Another angle of truck.
MS Man posts quarantine sign.
CU Same action.
MS Man finishes posting sign, walks away.
MLS Men spraying box cars.
MLS Man spraying pig pen.
MS Inspector checking pigs as they enter pen.
MS Inspector posts sign on pen rail.
MS Inspector turns away trucker with load of garbage-fed hogs.
MLS Hogs feeding in pasture.

TV Film Package No. 1210-23 -- ATOMS FOR AGRICULTURE

Sound film showing peacetime use of atomic isotopes in fertilizer experiments.

Length, 202 ft. -- Cost, \$10.10

LS Up view United Nations building in New York City.
MS President Eisenhower and party climb stairs to building.
MCU Same pass by.
MLS Interior. President is greeted by Madame V. L. Pandit, President of the United Nations General Assembly.
LS Pan assembled delegates.
MS President speaking, then pan to delegates.
LS Atomic research building at Beltsville.
CU Sign "Range 4 Soils Management and Irrigation".
CU Sign warning of radioactivity.
MS Scientist approaches mixer.
CU Scientist pours radioactive phosphorus into mixer.

MS Finish action in Scene 11. Another scientist adds ground phosphate rock.
 CU Fertilizer (now radioactive) is poured from mixer.
 CU Labeled bottles of fertilizer. Hand reaches into frame, takes one.
 MS Action as in Scene 14. Technician pours fertilizer into soil - blending machine is started.
 MLS Greenhouse as seeds are planted in soil (now radioactive).
 CU Seeds falling on soil.
 MS Scientist clipping plant samples.
 CU Same.
 CU Clipped samples are put into jars for drying.
 MS Scientist takes dried sample as in Scene 20 to grinding machine. He is protected by dust mask and surgical gloves.
 CU Sample is emptied into grinder.
 ECU Powder falling into container at bottom of grinder.
 MS Scientist pours powder into mold.
 CU Same.
 MS Finish action, take mold to hydraulic press.
 CU Press is operated.
 MS Pressing operation is finished. Scientist removes briquette (name for compressed plant material).
 CU Briquette is placed on tray beside others.
 CU Briquette is placed on cone-shaped element of Geiger counter.
 CU Control panel of Geiger counter as radiation is measured.
 MLS Farmer spreads fertilizer with tractor-drawn spreader.

TV Film Package No. 1210-25 -- WIND EROSION

Silent, special effect footage showing wind tunnel tests of blowing soil.

Length, 82 ft. -- Cost, \$4.10

LS Short dust storm scenes.
 LS Wind tunnel.
 CU Interior - man adjusts high-speed camera.
 MS Slow motion shots of blowing sand (50 m.p.h. wind).
 MCU Man loading high-speed camera.
 MS Slow motion pictures of sand blowing on grain sorghum.
 MS Same as Scene 6 - wheat.
 LS Dust storm raging.

TV Film Package No. 1210-26 -- HOW MUCH IS YOUR FARM WORTH?

Silent film. Shows factors considered by Land Bank appraisers when setting farm values.

Length, 128 ft. -- Cost, \$6.40

LS Series farm scenes.
 MS Group walks to camera.
 MS Expert removing soil sample.

CU Auger is turned into soil.
 CU Soil is removed from auger.
 MCU Soil profile.
 MCU Drain pipe.
 ECU Outlet.
 MS Farm drainage ditch.
 LS Cows.
 MS Cows.
 LS Eroded field.
 MS Eroded field.
 CU Bindweed.
 MS Farm house as group walks up.
 MS Roof of farm.
 MS Farmhouse.
 MS Up view of electric line to house.
 MLS Barn.
 MCU Foundation.
 MS Roof of barn.
 MS Hen house.
 MCU Water pump.
 MS Cows in cement feed lot.
 CU Cows feeding.
 LS Elaborate home.
 LS Unkept buildings.
 LS Highway.

TV Film Package No. 1210-27 -- SNOW SURVEYS

Silent footage showing technique of measuring depth of snow and calculation of predictions of summer stream flow and flood potential.

Length, 241 ft. -- Cost, \$12.05

LS Mountain snow scene.
 MLS Mountain stream with snow on banks - water turbulent.
 CU Two farmers looking at snow-covered mountain in distance.
 CU Sign marking snow course.
 MCU Farmer looking at newspaper with article giving snow survey figures.
 CU Man speaking into radio mike.
 MCU to MLS - Two surveyors on skis with packs on backs start up hill away from camera.
 LS Surveyors traveling across open terrain.
 MLS to MS - Surveyors ski up to course marker.
 MCU Surveyors drop packs, rub shoulder blades and otherwise indicate weariness.
 CU Surveyor eating sandwich.
 MS Surveyor draws out measuring equipment.
 ECU Cutting edge of measuring tube.
 MS Surveyors move to first sampling position. Surveyor steps off seven ski lengths (50 ft.). Drops tube into snow.
 ECU Tube showing measurement markings.
 MCU Tube is withdrawn from snow and lower end examined.

ECU Dirt is scraped from cutting edge.
 MCU Tube is placed on scales.
 ECU Figures are recorded in notebook (waterproof page).
 MS Sampling tube is turned upside down and snow knocked out.. Surveyor sights through tube to sky.
 CU Tube is placed on scale again (empty).
 MS to MLS - Surveyor takes tube and again measures off distance for new sample.
 CU Surveyors pack up equipment.
 LS to MCU to LS - Skiers cross going down hill.
 MS to LS - Skiers move from camera going down trail and out of sight.
 CU Hand-held survey report. Page is turned - new page gives water prediction.
 MS Water running through irrigation ditch.
 LS Power dam.
 LS Snow-covered peaks.

TV Film Package No. 1210-28 -- LIQUID FERTILIZERS

Silent footage showing liquid and gaseous fertilizers, their storage and use.

Length, 184 ft. -- Cost, \$9.20

LS Thirty-thousand gallon storage tank in distributor's yard - side view.
 MS End view same tank. Distributor walks up, checks gauges.
 CU Temperature gauge.
 MS Same as Scene 2.
 CU Capacity gauge.
 CU Pressure gauge.
 CU Showing pipe connection between storage and portable tanks.
 LS Portable storage tanks on ground. Pan left to right to show truck carrying one of these tanks.
 CU Scales that weigh amount of gas in portable tank.
 MS Farmer connecting hose between portable tank and small tank on tractor.
 CU Farmer operating hand pump on tractor tank to clear tubes to furrow shanks.
 CU Gas escaping from furrow shanks.
 MS Tractor pulling furrow shank assembly moves away from camera. Shanks dig into ground.
 MS Farmer fertilizing young corn with liquid ammonia.

TV Film Package No. 1210-29 -- FOREIGN TRADE MISSION REPORT

Sound film dealing with some of the impressions gained by members of an agricultural trade mission to various parts of the world.

Length, 243 ft. -- Cost, \$12.15

MLS Three mission members standing before large world map. Pan as they turn and go to seats behind desk. Dolly in to MS.

CU Pan three members, left to right - J. B. Hutson, Homer Brinkley,
Paul Sanders.
CU Sanders as he speaks.
CU European area of world map.
MS The three seated at desk.
CU Brinkley speaking.
CU European section of map, quick pan to Far Eastern area.
CU Brinkley.
MS The three seated at desk.
CU Sanders.
CU United States on map - then tilt down to South America.
MS Same as Scene 9.

TV Film Package No. 1210-32 -- SOIL SAMPLING

Silent film. Shows how to take a soil sample and how laboratory tests it when received.

Length, 228 ft. -- Cost \$11.40

MS Fade in - man comes out of house, sits down on steps, starts to write on pad.
CU Over-the-shoulder shot of pad, which has printed diagram of correct way to take soil sample.
MS Same angle as Scene 1 - man gets up and walks away.
MS Sampling tools stacked against house - left to right, soil tube, auger, spade, two garden trowels. Man enters frame, picks up spade and trowels.
MS Man rounds corner of house with tools and heads for field. Fade out.
MS Fade in - Man approaches field, picks out sampling spot, lays down tools.
ECU Digging soil sample with spade.
CU Man cleans off edge of sample with trowel, puts soil on spread paper.
MS Man starts off for next sample spot. Fade out.
CU Fade in - Soil sample is placed on paper, then paper is rolled to mix soil. Soil is then scooped into sample box. Fade out.
MS Fade in - Man returns to house from field.
MS Another angle as man sits down, begins to write on pad.
CU Over-the-shoulder shot as man fills in soil information sheet. Fade out.
MS Interior soil testing laboratory. Technician is putting measured amounts of soil from sample boxes into glass vials.
CU Same.
MS Same as Scene 14. Technician finishes filling vials, turns and takes them to extracting solution machine in background.
CU Technician fills vials with measured amount of solution.
MS Pan with technician as he finishes adding solution and then carries vials to mixing machine.
CU Technician places vials in machine, closes top, turns it on. Technician moves out of frame.
MS Technician preparing filtering vials. Finishes this job, goes to mixing machine, removes vials, then carries them to filtering vials. Starts to pour solution.

CU Solution is poured into filtering vials. Fade out.
CU Fade in. Various state soil bulletins. Fade out.

TV Film Package No. 1210-33 -- ON GUARD AGAINST PLANT PESTS

Silent film. Shows how USDA guards against infestation from abroad.

Length, 226 ft. -- Cost, \$11.30

LS Liner in New York harbor passes left to right across screen.
MS Passengers descend gangway, followed by quarantine inspector.
MS Inspector checking passenger's luggage.
MCU Same.
MS Inspector checking crates of grapes.
CU Same.
ECU Bunch of grapes held in inspector's hand.
LS Banana unloading operation.
MS Down shot through ship's hatch of same operation.
MS Bananas moving across ship's deck on conveyor belt.
MS Down shot as bananas travel down ship's side to another belt.
MS Reverse angle same, then pan along belt.
MS Inspector checking fruit.
CU Same.
MS Down shot from ship's deck to end of conveyor belt, then tilt up to stevedores carrying fruit to waiting freight cars.
LS Cotton bales stacked on dock.
MS Fork lift carrying cotton toward fumigation tank.
MS to CU - Head-on shot as lift enters tank.
MS Reverse angle as lift backs out of tank.
MS Two men close, then start to bolt door of tank.
MLS to MCU - Quarantine inspector rounds edge of tank, walks up to vacuum gauge.
CU Gauge.
MS Exterior of Plant Inspection Station at Hoboken, N. J. Truck being unloaded.
MS Reverse angle truck being unloaded.
LS Interior inspection room at station.
MS Interior of station - inspectors at work.
CU Insect (cotton bollworm) crawling out of plant.
MS Inspector checking flower.
CU Flower.
MS Autos approach via bridge.
MS Upview border station.
MS Rear view of autos as they pull up to station. They stop at various points as inspectors question occupants.
MS Interior - inspector checking confiscated fruit.
CU Split papaya infested with larvae.
MS Same as Scene 33. Inspector dumps fruit into garbage can.
MS Two inspectors empty can of confiscated fruit into outdoor incinerator.

TV Film Package No. 1210-36 -- LAND JUDGING

A silent film showing a land judging contest in operation.

Length, 202 ft. -- Cost, \$10.10

LS Children raising flag over contest site.
MLS Children lined up before desk registering.
MS Same.
MS Same, reverse angle.
LS Conservationist at blackboard. Pan to children seated around him.
MS Conservationist at blackboard. He points across field.
MS Reverse angle conservationist pointing, children seated around.
LS Conservationist walks to soil pit - children are seated around on ground. Small puppy is playing in foreground.
MS Youngsters seated on ground listening to conservationist.
MS Young girls standing in field drinking.
MS Group of boys seated on ground eating lunch.
LS to MS - Group of youngsters circle farm pond - one young boy is standing with bare feet in water.
LS to CS - Group of youngsters approach camera - tilt down as they approach soil pit.
LS Children cross open field. Several are playing "tag" - tilt up to still others climbing hill in background.
LS Youngsters clustered around pit.
MS Same.
MS Girl down in soil pit.
LS Youngsters going up hill.
MS Youngsters clustered around soil pit.
MS Young boy seated near soil pit checking his list.
MS Referees seated on ground discussing answer sheets. They rise and walk slightly off to right.
MS Referee with portable speaker unit announcing winners.
MS Boy winner receives certificate.
CS Referee with speaker.
MS Girl winner receives certificate.
MS Boy winner receives certificate.
MS Three winners looking at certificates.
LS Up view flag flying.

TV Film Package No. 1210-38 -- FARM SHOP IMPROVEMENT

Silent film showing a modern farm workshop and some of the tools it should have, and how they can save time and effort on a farm.

Length, 190 ft. -- Cost, \$9.50

MS Modern farm workshop - trees in BG - tractor drives up to shop.
MS Tractor backs into shop.
MS Farmer gets off tractor - picks up piece of lumber and measures it with the one on tractor to be repaired.

CU Farmer cuts lumber with electric hand saw - goes to bench saw and
rips board.
CU Ripping board.
MS Board "trued-down" on electric joiner.
CU Hand removes bolts from bolt rack which has many compartments.
MS Farmer drills holes in board with electric hand drill.
MCU Farmer places back-board on tractor.
MS Same as above - different angle.
MS Farmer drives tractor out of shop.
MS Closes door to tool shop.
MS Electric drill press - hands holding metal strip - drills holes.
MCU Electric emery wheel - hands sharpen ax.
MS Hands holding metal in a forge - removes it to anvil and hammers,
then puts it back into fire.

TV Film Package No. 1210-40 -- FOREIGN TRAINEES

A sound film showing a group of farm technicians from Brazil our farming system in the midwest. The tour was sponsored by the Foreign Operations Administration and the U. S. Department of Agriculture in connection with our technical cooperation program.

Length, 170 ft. -- Cost, \$8.50

MS Brazilian trainees arrive at railroad station - walk to camera.
MS Sign post "Bishop's Farm" - pan across lawn.
MCU Ralph Bishop and guests - Mr. Acorssi and Dr. Magalhaes - sitting
around table on lawn. Mr. Bishop hands out pamphlets.
MCU Mr. Bishop, Dr. Schuster and Mr. Bishop's daughter sitting around
table on lawn.
MS Pamphlets on round metal table.
MCU Mr. Acorssi sitting in metal chair on lawn.
MS Pan from bus to boy and man holding steers.
CU Steer - head and shoulder shot.
MCU Two Brazilian trainees - children and bus in BG.
MS Large group of Brazilian trainees observing and taking notes.
MCU Dr. Hermsdorf, Director of the National School of Veterinary
Medicine in Brazil, walks over and looks at steer.
MS Dr. Hermsdorf looks at steer boy is holding - group of people in BG.
MS Boys and girls on corn detasseling rig - machine moves into corn.
MCU Girls detasseling corn.
CU Two girls detasseling corn.
MS Church bell in steeple ringing.
MS Group entering church.
MCU Same as above.
MS Sign "Purdue University" - pans to building.
MCU Same building - travel shot up driveway.
CU Trainees in bus touring University campus.
CU Same as above.
CU Same as above - larger group in bus can be seen.
CU Same as above - guide is explaining what they are seeing.

MS Sign post - "Purdue University, Agronomy Farm, Agricultural Experiment Station."
 CU Combine blades in wheat field - tilt up to Brazilian trainees in BG.
 MS Combine in wheat field - to and past camera.
 MS Brazilian trainees watching above action.
 MS Combine goes away from camera to MLS.
 MCU Brazilian trainees watch above action.
 CU Group of four Brazilian trainees in wheat field.
 ECU Small group of trainees against sky - walk out.

TV Film Package No. 1210-41 -- PROTECTING OUR MEAT SUPPLY

A silent film showing how inspectors of the U. S. Department of Agriculture search for symptoms of disease in live animals and for evidence of infection in the animal after slaughter.

Length, 167 ft. -- Cost, \$8.35

MCU Beef stew in pan on work table.
 CU Beef stew on dining table.
 MS Tilts up from beef stew to man sitting at the head of the table - boy sits down - pans to other members of the family.
 MLS Herefords in lush pasture.
 MS Cattle being loaded into cattle cars at railroad station.
 MS Inspecting cattle at stockyard.
 MS Men inspecting beef in packing house.
 MS Cattle in corn stubble pasture - sick animal staggering in BG.
 CU Sore hoof.
 CU Watery discharge from cow's mouth.
 CU Tick on ground.
 MLS TWA cargo plane - crew getting off.
 CU Shows the feet of the crew as they walk through treated sawdust to kill any virus from animals on plane.
 CU Rest of crew leave plane.
 CU Head of bull.
 MLS Bull being led from plane down ramp.
 MS Shorthorn bull in stall being sprayed.
 CU Same as above.
 MS Zebra being held in stall for inspection.
 MS Custom house at Canadian border - truck pulls up for inspection.
 MS Men walking out to plane.
 MS Spraying cargo plane.
 MS Spraying freight cars.
 CU Inspecting cow.
 MLS Herd of cattle being driven to inspection pen by two men on horses.
 MCU Large herd of cattle being driven across Mexican border.
 MCU Very large herd of cattle being driven across Mexican border.
 MS Mexican veterinarian with certificate which states animals are free of communicable disease - talks to American veterinarian.
 MCU Same two men - against sky.
 MS Cattle being dipped for cattle fever tick.
 MS Down shot as cattle go through dip.

MS Cattle coming out of dip.
 MLS Border patrol on horseback.
 CU Border patrol - head and shoulder shot against sky - has on western hat and U. S. badge.
 MS Border patrol on horse - turns and rides off.
 MLS Ship "America" - tug boat comes alongside.
 MS Baggage being unloaded by conveyor belt.
 MS Baggage being inspected.
 LS Same as above.
 MCU Meat being inspected for smuggled items - cuts open large tongue loaf which could carry infectious virus.
 MS Meat is thrown in pile with other meat to be destroyed.
 MS Women buying meat at meat market.
 CU Stamp "U. S. Inspected" on meat.
 MLS Family at dinner table eating.

TV Film Package No. 1210-42-1 -- MORE MILK FOR MORE CHILDREN

Sound film showing the result of a new Special School Milk Program put into operation by the U. S. Department of Agriculture. The purpose of the program is to make more milk available to more school children.

Length, 222 ft. -- Cost, \$11.10

CU Girl drinking milk from carton.
 LS Bus arriving at school - children get out.
 MLS Children marching into school building.
 MLS Children taking exercise on playground - march into building.
 MS Men unloading milk from milk truck.
 MCU Milkman places cartons of milk in refrigerator.
 MS Two children bring in trays of milk and pass to children at desks.
 MS Girl passes out milk - another follows with straws - girls return to their desks as the teacher comes to front of class.
 CU Boy opens carton and drinks milk.
 MLS Classroom as children sit at their desks and drink milk - pan to CU of girl drinking.
 MLS Teenagers getting in line for cafeteria.
 MS Cafeteria line - teenagers serve their trays.
 MS Boys and girls take milk at milk counter.
 CU Hand picks up carton of milk.
 MLS Teenagers eating at table - down shot.
 MS Group at another table.
 CU Girl drinking milk.
 CU Another girl drinks milk.
 MS Boys coming from gym class - run to milk bar.
 MCU Boys drinking milk.
 CU Blonde boy talking and drinking milk.

TV Film Package No. 1210-43 -- CHRISTMAS TREES

Sound on film (lip sync). Mr. Arthur M. Sowder, Extension Forester of the U. S. Department of Agriculture in Washington, D. C., tells how to choose and take care of Christmas trees.

Length, 224 ft. -- Cost, \$11.20

LS Two girls decorating Christmas tree in living room. Mr. Arthur M. Sowder is sitting in chair observing.
MCU Girls decorating tree - pans to Mr. Sowder in chair - he talks to camera, then gets up and walks out of picture.
MCU A line of several Christmas trees against wall and in front of a window (inside shot). Mr. Sowder walks over to one and examines characteristics of tree.
CU Hands examine the end of tree branch.
MS Mr. Sowder walks from one tree to another - examining each.
CU Hands show dry end of tree branch where needles have fallen.
MS Mr. Sowder examines another tree in group - picks up small tree - puts it down and walks to another.
CU Hands examine end of tree branch.
MS Mr. Sowder continues to examine trees.
CU Hands examine end of tree branch.
MCU Mr. Sowder continues to examine trees.
CU Hands examine end of tree branch.
MS Mr. Sowder continues to examine trees - picks up a very dry tree and strips a branch to show dryness - pans to bottom of tree.
CU Mr. Sowder talks to camera, then walks out of picture.
MCU Hands show how to build a stand for Christmas tree which holds a can of water.
MLS Mr. Sowder gets up from floor where he's been showing how to build a stand for Christmas tree and talks to camera, then walks out of picture.
MCU Girls finish decorating Christmas tree.
MS Pan to Mr. Sowder sitting in chair talking to girls and then to camera - pan to girls sitting under Christmas tree.

TV Film Package No. 1210-45 -- BETTER FARM BUILDINGS

Sound on film. Agricultural engineers in Federal and State agricultural departments are constantly developing new ways to build barns and sheds to protect your investment from loss by severe windstorms. This film tells of these new ways to save you money when you build.

Length, 236 ft. -- Cost, \$11.80

MS Branch of tree swaying in wind - shot against sky.
MS Barn partially wrecked by storm.
CU Rafters on same barn - up shot - pan across top of barn.
LS Poultry houses flattened by storm - pan across houses.
MS Poultry house partially blown over - shows house was not anchored to foundation.

CU Wall of poultry house separated from foundation.
 CU Same as above - another angle.
 MCU New building showing proper use of anchor bolts and value of good mortar mix. Man comes into picture and explains construction.
 CU Hand points out proper construction.
 MCU Hand points out improper construction.
 MLS Machine shed off foundation - pans across building.
 MLS Same as above - another angle.
 CU Showing anchor bolt torn out of foundation by wind.
 MS Farm building partially destroyed by wind - man walks in and examines sides.
 CU Section of building destroyed by wind - hand points to nails.
 LS Flattened poultry houses.
 MS Man inspecting wreckage.
 CU Hand points to correct spacing of nails.
 LS Men working on wall of new building.
 CU Pounding nails in section on ground. Shows number of nails that should be used.
 LS Men carrying section and placing on foundation.
 CU Showing section being placed on foundation.
 CU Tightening nut - frame to foundation.
 LS Nailing brace diagonally on frame - for support.
 CU Driving nails into frame.
 MLS Toe-nailing foundation.
 CU Same as above - different angle.
 MLS Placing corner braces on new building.
 CU Nailing metal corner braces to joints.
 CU Same as above - different angle.
 MS Nailing roof joist.

TV Film Package No. 1210-46 -- HYBRID ONIONS

Lip-sync. Leo Geier interviewing Dr. Henry Jones at Beltsville, Maryland, on the latest in hybrid onion development.

Length, 186 ft. -- Cost, \$9.30

MS House Office Building - presentation ceremony - new hybrid onion - truck loaded with onions pulls up behind speaker.
 LS Presentation ceremony.
 MS Congressman carrying bag of onions.
 LS Pan greenhouse at Beltsville, Md.
 MS Interior onion greenhouse, Beltsville, Md. Leo Geier introduces Dr. Henry Jones. Dr. Jones talks about onions.
 CU Leo Geier samples onion slice to show mildness.
 MS Dr. Jones shows hybrid onion and parent onion.
 CU Same as above.
 MS Dr. Jones lays down onion - picks up another hybrid onion.
 CU Hybrid onion.
 MS Dr. Jones displays still another onion.
 MS Dr. Jones hands Leo Geier a bulb onion.

MS Different angle as Dr. Jones and Mr. Geier talk - they move to onion plants.
 MS Dr. Jones and Mr. Geier at onion plants.
 CU Onion flower as Dr. Jones points out parts.
 MS Same as above.
 CU Dr. Jones at another onion plant.
 MS Dr. Jones and Mr. Geier turn to many other plants growing in BG - Dr. Jones points out characteristics - they move to another part of greenhouse.
 MS Dr. Jones and Mr. Geier enter and walk to onion plants covered with fly screen. Dr. Jones picks up fly trap - shows how trap is inserted into screen to allow flies to pollinate plants.
 CU Fly screen as Dr. Jones ties it to keep flies around plant.
 MS Mr. Geier thanks Dr. Jones for showing him the hybrid onions.

TV Film Package No. 1210-48 -- HEALTHY STRAWBERRIES

Sound-on film showing USDA Agricultural Research scientists studying diseases and finding ways of developing better strawberries. Film also shows machine developed by the University of Maryland for commercial treatment of strawberry plants infested with nematodes.

Length, 195 ft. -- Cost, \$9.75

CU Healthy strawberry plant.
 ECU Strawberries on plants.
 MS Scientist in greenhouse looking at strawberry plants - picks one up.
 MCU Scientist with plant.
 MS Scientist puts down plant and walks to another part of greenhouse.
 MS Scientist approaches flat of growing strawberries.
 MS Pan - flat of strawberries to scientist who picks up two plants.
 CU Scientist holding plants - one healthy, the other showing virus effects.
 MLS Scientist puts down plants - then pan to another scientist working.
 MS Scientist preparing to graft virus and healthy plants together.
 CU Scientist slits runner with razor blade.
 MCU Scientist joins runners.
 CU Same - as graft is made.
 MS Line of four plants - one healthy, three diseased - tilt down to plants grafted.
 MS Scientist looking into hot-box where plants are given heat treatment to control virus.
 MCU Same as above - scientist then closes door, turns to camera.
 CU Scientist picks up two plants that have been heat-treated - one is dead.
 CU Magnified still shot of aphid, the virus transmitter.
 ECU Head of aphid showing long proboscis.
 MS Interior - scientist at microscope.
 CU Same as above - adjusts microscope.
 MCU Scientist holding strawberry roots - one plant shows nematode damage.
 CU Same as above.
 CU Damaged roots.

MLS Interior machine shop - two scientists preparing strawberry plants for heat treatment.
 CU Scientist packing plants in wire basket.
 CU Basket of plants goes into tank of water for pre-heating.
 MCU Same as above - another scientist removes basket - pans as it is put into heat treatment machine.
 CU Heat treating machine in operation - one basket of plants starts treatment cycle while another completes it.
 CU Basket of plants slides into treating tank.
 CU Healthy strawberry hanging on plant.

TV Film Package No. 1210-49 -- THE MAGIC CHICKEN

Sound-on film showing the latest in chicken research at the USDA Agricultural Research Center, Beltsville, Md.

Length, 181 ft. -- Cost, \$9.05

CU Dressed chicken - chicken is turned to show meaty breast and thick plump drumstick.
 CU Two chickens held in hand.
 MLS Housewife feeding chickens.
 MCU Same.
 MS Interior - Dr. C. W. Knox, Poultry Geneticist, at incubator inspecting eggs.
 MCU Same - Dr. Knox removes tray of eggs - CU as tray is removed.
 MS Dr. Knox closes door and walks out of frame.
 MS Reverse angle as Dr. Knox walks in and hands tray of eggs to assistant who will sort them - Dr. Knox then turns and walks to another incubator.
 CU Chicks in incubator - Dr. Knox removes tray.
 MS Dr. Knox carries tray of chicks to sorting table.
 MCU Dr. Knox picks up two differently colored chicks.
 CU Chicks - male chicks are white, females are reddish (mother hen is Silver Cornish - rooster is New Hampshire Red).
 MCU Dr. Knox picks up two other chicks - these chicks are still basically either white or red, although both are spotted.
 MCU Dr. Knox picks up neutral colored chicken, showing dark wing feathers indicating female.
 MS New Hampshire male.
 MS Silver Cornish female (combination of Hampshire male and Cornish female produces chicks with sex color difference).
 MS Silver Cornish male - New Hampshire female (combination Cornish male and New Hampshire female produces all white chicks).
 MS All white Beltsville broilers.
 CU Dressed New Hampshire chicken breast is measured and drumstick size is pointed out - pan to dressed Cornish where same action is repeated - then pan to Beltsville broiler and same action (shot shows improvement in breeds).
 MS Live Beltsville broiler.

TV Film Package No. 1210-50 -- BEEF CATTLE PERFORMANCE TESTING

Sound-on film showing research being conducted by USDA at Front Royal, Virginia, on improvement of beef cattle.

Length, 230 ft. -- Cost, \$11.50

IS Hereford cattle being driven to water.
MS Cattle near pond - pan rolling countryside at Front Royal, Va.
CU Sign "Beef Cattle Research Station" - zoom out and pan to grazing cattle - zoom in to MS of cattle.
MS Pan - Angus bulls in pen.
MS Hereford bull.
MS Shorthorn bull (one of the original herd).
MS Hereford bull (original herd).
MS Angus bull (original herd).
MLS Angus cows and calves follow feed truck.
MCU Hereford calf.
MS Man holding new-born calf in field - pan to jeep as it drives up - jeep is especially equipped to make complete record of new-born calf.
MCU Mother cow watching.
MS Calf is weighed.
CU Calf is tagged and tattooed on ear.
MS Calf is placed in measuring pen on jeep.
MS Calf is measured.
MS Interior barn - bull is fed.
MS Interior - bull is led from stall to scales.
MS Door to scales is closed - pan to scales.
CU Weight being recorded.
MS Shorthorn bulls are herded into pens (exterior).
MS Hereford heifers in feeding lots.
CU Angus heifer in feeding lot.
MS Interior office where data is recorded - woman seated at desk is keeping record - research scientist walks in and hands her information on new calves.
CU Record data in ledger.
MCU Horseman rides through Hereford herd.

TV Film Package No. 1210-51 -- RESEARCH FOR BETTER LIVING

Sound-on film featuring Secretary Ezra T. Benson and outlining how research has improved food to the benefit of all.

Length, 131 ft. -- Cost, \$6.55

MCU Secretary Benson speaking.
MS Same.
MCU Same.
MS Same.
CU USDA booklet titled "More and Better Foods from Today's Pay Check."
MS Secretary Benson speaking.

TV Film Package No. 1214-1 -- MARKETING APPLES

Silent subject showing harvesting, sorting, packing, transporting and selling apples.

Length, 132 ft. -- Cost, \$6.60

MLS Travel shot through apple orchard.
Dissolve to
CU Apples growing. Wind moves fruit-laden branches.
Dissolve to
MS Up view apple picker at work in tree.
Dissolve to
MS Travel shot along trees showing pickers at work.
Dissolve to
MS Picker climbs off ladder, walks to box on ground and empties picking bag.
Dissolve to
MS Tractor with stack of boxed apples places same on roller-equipped trailer.
CU Stacked apple boxes as they slide along on rollers.
Dissolve to
MLS Fork lift picks up load of boxes in fruit company yard from trailer.
MS Workman pulls next load of apples to edge of trailer.
MS Fork lift picks up load of apples.
ELS Fork lift carrying apples to plant.
CU Fork lift deposits load in receiving entrance.
ECU Apple boxes resting on rollers in entrance. They roll inside.
MS Interior - workman empties apples onto conveyor line.
MS Front view same.
LS Down view - apples pass along sorting and packing line.
Dissolve to
MS Tops being put on apple boxes.
MS Interior storage room. Workmen walk by with hand trucks loaded with apples.
MS Boxes of apples going down roller chute.
MS Boxed apples coming to camera on conveyor belt. They hit another roller leading outside.
MS Apples rolling into railroad car.
MS Same - man at end of roller picks up boxes and places them on roller leading to back of car.
MS Interior car - same action.
MS Woman and child shopping in market.
Dissolve to
CU Apples displayed on produce stand.

TV Film Package No. 1214-2 -- MARKETING BEEF

Silent subject shows selling, inspecting and buying beef.

Length, 135 ft. -- Cost, \$6.75

ELS Cattle being driven across range.

MLS Cowboy herding cattle.
 MS Cattle grazing.
 MCU Same.
 MS Same.
 MLS Same.
 ELS Rancher putting out winter feed.
 MLS Different shot same.
 MS Cattle being herded into stock truck.
 MS Same.
 MS Repeat Scene 10 as last of cattle enter truck.
 Dissolve to
 Truck moves left to right along highway.
 MS Front of diesel locomotive.
 MS Workman atop loading chute watching cattle enter car.
 CU Interior - engineer pulls horn cord and reaches for throttle.
 ECU Hand pulls throttle slowly open.
 CU Same as Scene 16 as train starts to move.
 Dissolve to
 MLS Freight cars move right to left.
 Dissolve to
 MCU Diesel locomotive moves rapidly to camera.
 Dissolve to
 LS Steam locomotive moves right to left.
 MS Travel shot with speeding diesel.
 Dissolve to
 ELS Freight cars move into yard.
 Dissolve to
 MS Young boy seated on fence waves to trainman as caboose moves by.
 Dissolve to
 LS Trucks move into city.
 Dissolve to
 LS Down view cattle entering stockyard pens.
 LS Cattle in pens.
 CU Buyer rides by on horseback - tilt down as he rides into midst of
 cattle.
 CU Cattle agent on horseback.
 MS Buyer turns toward agent.
 CU Same as Scene 29.
 MCU Two shot as buyer rides up to agent.
 MS Buyer talking to agent.
 MS Same - deal is set and buyer rides off.
 MCU Steer enters weighing pen.
 MS Weigher records weight.
 MCU Same.
 MS Interior - workman inspecting side of beef.
 MLS Same - sides are moving along.
 MCU Same.
 LS Front of food store.
 MLS Interior food store. Shoppers at meat counter. Dolly in to CU
 of beef.
 ECU Rib roast is sliced.

TV Film Package No. 1215-1 -- MEAT CUTTING DEMONSTRATION

A sound film show from "over-the-shoulder" angle as Miss Kay Nawn, USDA specialist, cuts a blade chuck roast and round steak to demonstrate ways to get more benefit from the meat dollar.

Length, 223 ft. -- Cost, \$11.15

TV Film Package No. 1215-2 -- NATURE'S GOODNESS

Silent film. Shows passage of milk from farm to consumer.

Length, 221 ft. -- Cost, \$11.05

MS Woman milking cow.
CU Same.
MLS Woman enters wellhouse carrying pail.
CU Woman pours milk through screening cloth.
LS Cows on pasture - barn in background.
MS Cows grazing.
CU Same.
LS Cows walking to barn.
MS Interior of barn showing empty stanchions.
MS Cows walk up ramp.
MS Cows feeding - men walk in to prepare cows for milking.
CU Teat cups are attached.
MS Points to milking equipment.
LS Man carries milk from barn to milkhouse.
MS Man pours milk over cooler.
CU Milk rolling down refrigerated coils.
MS Man rolling cans into refrigerator.
CU Same.
CU Thermometer.
CU Man closes refrigerator door.
MS Truck driving off after being loaded with milk.
MS Truck pulling into plant.
CU Man unloading truck.
CU Cans on roller as they enter plant.
MS Interior of plant as milk is dumped into weighing vat.
MS Technician checks milk sample under microscope.
MLS Showing equipment in dairy.
MS Worker inspecting equipment.
MS Same.
CU Homogenizer.
MS to CU - Cartons being filled. Tilt down as cartons enter machine - pan with them as they move along.
MCU Bottling operation.
CU Same.
ECU Same.
MS Same.
MS Bottles moving along line and put into cases.
MS Man icing crates of milk.

MS Crates move along conveyor to trucks.
 MS Truck pulling away.
 MLS Milkman goes up walk to house.
 CU Milkman puts milk on porch. Woman walks out, picks up milk. Tilt
 with action.
 MS Truck pulls up to store.
 MCU Shoppers inside store pick up milk.
 MS Another angle of same.
 LS Apartment house.
 MS Woman walking down corridor, enters door.
 MS Reverse angle as she enters room, walks to milk machine.
 MCU Woman putting money in machine, gets milk, and walks out.
 MCU Boy drinking milk.

TV Film Package No. 1234-19 -- CROP REPORTING

A silent film showing the Crop Reporting Service in action.

Length, 162 ft. -- Cost, \$8.10

MS Rural mailman drives up to roadside box.
 MCU Mailman puts mail in box.
 CU Farmer at mailbox looking at letters.
 CU Envelopes - one is addressed to "Agricultural Statistician," the
 other reads "Special Tobacco Inquiry."
 MCU Farmer atop tractor seeding field.
 MCU Two farmers looking at corn.
 MS Three combines reaping field.
 ECU USDA "Special Inquiry on Corn" form.
 CU Form as farmer fills it out.
 MCU Man inspecting chicks.
 CU USDA "Monthly Hatchery Report" form.
 CU Form being filled out.
 MLS Cows walking into barnyard.
 ECU USDA "Milk Production Inquiry" form.
 CU Form being filled out.
 MCU Cows being shunted through stockyard chute.
 ECU USDA "Cattle Feeder Inquiry" form.
 CU Form being filled out.
 MCU Waving field of grain.
 ECU USDA "Special Inquiry on Wheat" form.
 CU Form being filled out.
 MS Truck pulling out of tomato field - stacks of tomatoes in near
 foreground.
 MS Inspector checking beef in cold storage.
 MLS Upview grain elevators.
 MS Workman loading sacks of grain.
 MS Grain being loaded into ship.
 CU Grain pouring into ship's hold.
 MS Bales of cotton being stacked on ship's deck.
 CU Door of Federal-State Crop Reporting Service.
 MS Three men watching hogs at pasture.

MCU Two men as in Scene 30.
 ECU Interior auto as crop reporter surveys countryside.
 MS Crop reporter in field taking soil sample.
 CU Wheat stalk is sampled.
 ECU Wheat grains are rubbed out in reporter's hand.
 MS Interior USDA crop reporting office. Statisticians at work.
 MLS Interior another office. Secretary hands report to section chief -
 he hands her report.
 ECU Secretary seals report in envelope.
 ECU Envelope is turned over to reveal address "Secretary of Agriculture
 Special Delivery."
 LS Capitol dome, Washington, D. C.
 LS Upview USDA South Building, Washington, D. C.
 MS Group of crop statisticians receive box of reports.
 CU Box of reports.
 MS Statisticians take reports from box.
 CU Comptometer machine as figures are added.
 MS Reports being mimeographed.
 CU Mimeographed sheets falling into basket.
 MS Clerks walking around table assembling sheets.
 CU Action as sheets are picked up.
 CU Telegraph key.
 CU Telegraph relay.
 ECU Man talking on phone.
 CU Television screen as crop report is given.
 MS Same. Man is watching program.

ENERGY SAVING KITCHEN -- No. 1210-78

Length, 229 feet with sound -- Cost \$11.45

This energy saving kitchen-workroom was designed by housing specialists of the Department of Agriculture. The findings of research on space and energy requirements for household tasks and storage needs were relied upon when designing this kitchen.

Model at folding door of floor to ceiling china cabinet.

Model sets table.

Model at counter which is large enough to serve desserts and for some food preparation.

Model reaches for bins at the back of counter.

Model moves sliding doors. All sink supplies are in this cabinet.

Knife rack holds knives.

Model shows trash container and chute.

Mix counter at the right of sink shows posture stool.

Supplies used at the range are within reach.

Oven at height recommended as energy saving.

Model pulls out serving cart stored near range, places food on cart and in one trip the entire meal is on table.

Model places dirty dishes on cart and takes to clean-up area. Places dishes in washer.

Model takes dishes from dishwasher and replaces them in cabinet.

Model moves to other half of kitchen-workroom showing freezer, cleaning closet and closet for ironing needs. Also a food storage closet; planning desk with radio and telephone; laundry unit with sink, laundry cart and a combination washer-dryer.

A room $17\frac{1}{2}$ by 18 feet contains all of this--a food preparation area.. space for family meals and a complete workroom.

BELTSVILLE NEWSREELS

These newsreels report to the nation from the Agricultural Research Center near Beltsville, Maryland. From the fields, the laboratories and the greenhouses of the Research Center come improvements for the American farmer and gardener. Here scientists in every phase of agriculture develop new and better ways to produce the food and fiber needed by a growing nation.

BELTSVILLE NEWSREEL NO. 1

Length, 221 feet -- Cost, \$11.05

Easter Lilies: Easter lilies are larger and finer because of the work of Dr. Emsweller and his co-workers at Beltsville. He compares the standard sized bloom with the new larger bloom. The bulbs are treated with a drug called colchicine to increase the size of flower, change length of stem, and increase blooms per plant. Lilies are now tailor made to our order--short stems for use in church vases, or prolific flowers for funeral sprays.

Weed Killer: Shows the use of butric acid compound which gives promise of being well adapted for use on new plantings of clover, alfalfa and other legumes.

Chemical Fertilizer: USDA scientists make a trial run of a pilot plant for production of a mixed chemical fertilizer that is easier to use and does not cake.

Insect Killer: USDA scientist dressed in protective clothing sprays a new insect killer from an aerosol bomb. Better roses will be the result of this work on control of the tiny mites which infest the leaves and weaken the plant.

BELTSVILLE NEWSREEL NO. 2

Length, 216 feet -- Cost, \$10.30

Turkey Poult: Shows a turkey poult hatched from an unfertilized egg. The poult, although it lived only 22 days, was the first of its kind to hatch and live more than a few hours. The development of embryos in unfertilized eggs is called parthenogenesis. This poult was one of three hatched this year.

Weed Killer: Shows the result of the new and improved weed killer. It is sprayed on both weeds and crops which were grown under controlled conditions.

Better Vegetables: USDA scientists are finding that antibiotics, which have proved so outstanding in treatment of human diseases will also control plant diseases. They show great promise in controlling diseases of beans, tomatoes, peppers and potatoes.

Twin Calves: Identical twin calves are helping correct some long held misconceptions about beef cattle feeding, and the results may point the way to better nutrition for all of us. This feeding experiment with twin calves has refuted a belief that cattle fed on a low diet during some period of their life will never recover completely when heavy feeding begins.

BELTSVILLE NEWSREEL NO. 3

Length, 203 feet -- Cost, \$10.15

Meyer Zoysia Grass: Shows how and where this grass is recommended for lawns. Shows tearing up sod and planting prigs, plugging, one-year stand, and second year stand.

Silage Research: In the spring good pastures often grow more feed than the cows can eat. Research is being done to conserve this extra food in the form of silage for use when droughts come and pastures dry up. Chopped alfalfa and grass are dumped on a concrete slab. The stack of silage must be packed to preserve the food. Scientists are experimenting with a cheap plastic cover to prevent spoiling of silage. A plastic cover is also tried on a bunker silo. This involves another type of research..to determine how strong to make the bunker walls to keep them from bursting open.

Strawberries: At Beltsville, research men keep at least one virus-free mother plant of 40 standard varieties. A screen over the house protects them from insects that carry the virus. After much testing and research, virus-free strawberry plants will be made available to commercial plant growers.

BELTSVILLE NEWSREEL NO. 4

Length, 221 feet -- Cost, \$11.05

Atomic Energy as a Research Tool: Dr. Maurice Fried shows how radio active isotopes are stored safely behind lead bricks. These isotopes are used as tracer bullets to learn more about the use of fertilizer by crops. Here in the greenhouse, the tagged atoms are put to work. Scientists are trying to learn why some crops can take iron from the soil..and why others cannot. Shows test being made with soybeans.

Research with Light and Plants: Shows two plants the same age. One is short..and is full of flower buds. The other is tall..yet shows no sign of blooming. Research is proving that you can force plants into flower out-of-season by shortening their daylight hours. The short plants received only eight hours of light. The tall plants are kept awake sixteen hours. They continue to grow.

Mediterranean Fruit Fly: We leave Beltsville for a special report on the battle against the dread Medfly in Florida. USDA scientists from Beltsville are there working closely with Florida State officials. Their goal is complete destruction of a pest which threatens the citrus industry. Thousand of traps are used to learn where the fly has spread. Traps are baited with angelica seed oil...the most powerful lure ever found for the male Medfly. Malathion bait spray is the key weapon. It is harmless to humans and livestock in the concentration used.

BELTSVILLE NEWSREEL NO. 5

Length, 208 feet -- Cost, \$10.40

Inoculant of Plants: Most legumes need helpful bacteria. That's why farmers inoculate legume seed before planting. Dr. Clark demonstrates the dry method and the wet method and finds that research under "farm conditions" proves that wet-treated legume seed retains more than twice as much inoculant.

Beltsville's small White Turkey: Through research scientists have found that turkey poults gain faster when fat is added to a vegetable protein diet. In thirteen weeks they will eat eighteen pounds of feed and weigh six pounds a piece. Without fat it would take twenty pounds of feed to grow six-pound birds in the same length of time. The fat saves two pounds of feed for each bird. Shows research with live birds and examining dressed turkeys.

BELTSVILLE NEWSREEL NO. 6

Length, 199 feet -- Cost \$9.95

Stilbestrol.. a hormone-like chemical cuts beef feeding costs, and after extensive research with mice by The Food and Drug Administration, it has been proven that beef from steers fed stilbestrol is safe.

New Fruit Powder: At USDA's Eastern Regional Research Laboratory near Philadelphia, Pennsylvania, 200 scientists are searching for new products for industry and better food for out table. Here we see a new laboratory process for producing delicious fruit juice powder. While rich flavored concord grape juice is being concentrated in this equipment, the aroma and distinctive taste is also being captured and concentrated. The engineers have also developed flavorful fruit powders from apple and cherry juices.

BETTER LEATHER: In another part of the Philadelphia laboratory the search goes on for better leather for our shoes. Here, an experimental hide has been treated with a new method using table salt and enzymes for easier removal of animal hair. This is the first step in producing better quality leather, and can mean cheaper tanning methods. USDA scientists are searching for new domestic sources to overcome shortages of vegetable tannins. A new high quality tanning extract has been developed. The extract is placed in an experimental dipping tank and thick strips of unhaired hide are gently and continuously dipped for thirty days or more. Other new tanning methods the laboratory is trying--in "tumbling machines" like these and in other equipment--point toward softer leathers for gloves, longer wearing leathers for shoes and many other uses.

BELTSVILLE NEWSREEL NO. 7

Length, 203 feet -- Cost \$10.15

Fat added to Feed: In one experiment, the scientists are using fat to grow more pounds of turkey with less feed. Now ready-mixed poultry rations containing feed-grade animal fat can be purchased commercially. Adding 250 million pounds of animal fat a year to feeds improve the unpleasant and hazardous working conditions in the mills and improves the nutritional value of the feed.

Rancidity Tester: This apparatus indicates the keeping properties of fats... whether for use in feed or for human consumption. Fresh fat contains no peroxide, but as the fat is exposed to the air, peroxide is formed. When there is too much peroxide - the fat is rancid.

New Chemical Products from Fat: P. A. Wells shows the use of inedible animal fats produced in the U. S. during 1955. Fortunately we are able to export our large surplus, but this market can't always be counted on. Producing new chemical products from fats, is generally more beneficial to our economy. Synthetic detergents, useful in either hard or soft water are now being developed from animal fats. Here a USDA chemist use a Terg-O-Tometer to compare an experimental synthetic detergent made from fat with a synthetic detergent made from petroleum. After much testing, it's quite clear that the experimental detergent from fat is better.

INDEX

All subjects listed in the index are according to the catalog plan which uses the following Roman numerals for main sections:

- I Farming
- II Disaster
- III Nature
- IV People and Communities
- V Processing, Marketing and Transportation
- VI Research
- VII Forestry
- VIII TV Film Packages

For example - when the subject STRIP CROPPING appears in the index, it will be followed by the Roman numeral I and the subtitle CONSERVATION. This means that strip cropping scenes are listed in Section I AGRICULTURE under subheading CONSERVATION.

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